





Recombinant Arabidopsis thaliana Protoporphyrinogen oxidase 2, chloroplastic/mitochondrial (PPOX2)

of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?. Uniprot No. Q8S9J1 Form Liquid or Lyophilized powder Storage Buffer If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Product Type Recombinant Arabidopsis thaliana Protoporphyrinogen oxidase 2,chloroplastic/mitochondrial (PPOX2) Immunogen Species Arabidopsis thaliana (Mouse-ear cress) Sensitivity Not Test Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGT KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPLTSSVDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa		
Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf I of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?. Uniprot No. Q8S9J1 Form Liquid or Lyophilized powder Storage Buffer If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Product Type Recombinant Arabidopsis thaliana Protoporphyrinogen oxidase 2,chloroplastic/mitochondrial (PPOX2) Immunogen Species Arabidopsis thaliana (Mouse-ear cress) Sensitivity Not Test Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAFPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPWMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGGEVVDYINPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPL'SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 47 for up to one week. Tag Info C-terminal 6xHis-tagged	Product Code	CSB-EP6910DOA
storage temperature and the stability of the protein itself. Generally, the shelf I of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12 months at -20?/-80?. Uniprot No. Q8S9J1 Form Liquid or Lyophilized powder Storage Buffer If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Product Type Recombinant Arabidopsis thaliana Protoporphyrinogen oxidase 2, chloroplastic/mitochondrial (PPOX2) Immunogen Species Arabidopsis thaliana (Mouse-ear cress) Sensitivity Not Test Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGTKGSRSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLSVSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGQQPFQLNFLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNOELAKASTDELKQVYTSDLQRLLGVEGEPVSVNHYYWRKAPPLSSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Abbreviation	Recombinant Mouse-ear cress PPOX2 protein
Form Liquid or Lyophilized powder Storage Buffer If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Product Type Recombinant Arabidopsis thaliana Protoporphyrinogen oxidase 2,chloroplastic/mitochondrial (PPOX2) Immunogen Species Arabidopsis thaliana (Mouse-ear cress) Sensitivity Not Test Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGKGSSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGPFQLNFLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPLY SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Storage	storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20?/-80?. The shelf life of lyophilized form is 12
Storage Buffer If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer 5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Product Type Recombinant Arabidopsis thaliana Protoporphyrinogen oxidase 2,chloroplastic/mitochondrial (PPOX2) Immunogen Species Arabidopsis thaliana (Mouse-ear cress) Sensitivity Not Test Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGT KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGQGPUSNLPLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVHHYYWRKAFPLY SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Uniprot No.	Q8S9J1
5%-50% glycerol.If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. Product Type Recombinant Arabidopsis thaliana Protoporphyrinogen oxidase 2,chloroplastic/mitochondrial (PPOX2) Immunogen Species Arabidopsis thaliana (Mouse-ear cress) Sensitivity Not Test Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGT KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLDEINYMPLS VSHDETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLDEINYMPLS SYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Form	Liquid or Lyophilized powder
2,chloroplastic/mitochondrial (PPOX2)	Storage Buffer	
Sensitivity Not Test Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGT KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPLY SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Product Type	
Purity Greater than 85% as determined by SDS-PAGE. Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGT KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPLY SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Immunogen Species	Arabidopsis thaliana (Mouse-ear cress)
Sequence GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTM EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGT KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPLY SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Sensitivity	Not Test
EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLS QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGG SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGT KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLS VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLPEINYMPLS LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLY TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPLY SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLES SNDKKPNDSL Research Area Others Source E.coli Target Names PPOX2 Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Purity	Greater than 85% as determined by SDS-PAGE.
SourceE.coliTarget NamesPPOX2Expression Region23-508aaNotesRepeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week.Tag InfoC-terminal 6xHis-tagged	Sequence	GAGVSGLAAAYKLKSRGLNVTVFEADGRVGGKLRSVMQNGLIWDEGANTMT EAEPEVGSLLDDLGLREKQQFPISQKKRYIVRNGVPVMLPTNPIELVTSSVLST QSKFQILLEPFLWKKKSSKVSDASAEESVSEFFQRHFGQEVVDYLIDPFVGGT SAADPDSLSMKHSFPDLWNVEKSFGSIIVGAIRTKFAAKGGKSRDTKSSPGTK KGSRGSFSFKGGMQILPDTLCKSLSHDEINLDSKVLSLSYNSGSRQENWSLSC VSHNETQRQNPHYDAVIMTAPLCNVKEMKVMKGGQPFQLNFLPEINYMPLSV LITTFTKEKVKRPLEGFGVLIPSKEQKHGFKTLGTLFSSMMFPDRSPSDVHLYT TFIGGSRNQELAKASTDELKQVVTSDLQRLLGVEGEPVSVNHYYWRKAFPLYD SSYDSVMEAIDKMENDLPGFFYAGNHRGGLSVGKSIASGCKAADLVISYLESC SNDKKPNDSL
Target NamesPPOX2Expression Region23-508aaNotesRepeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week.Tag InfoC-terminal 6xHis-tagged	Research Area	Others
Expression Region 23-508aa Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Source	E.coli
Notes Repeated freezing and thawing is not recommended. Store working aliquots a 4? for up to one week. Tag Info C-terminal 6xHis-tagged	Target Names	PPOX2
4? for up to one week. Tag Info C-terminal 6xHis-tagged	Expression Region	23-508aa
	Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4? for up to one week.
Mol. Weight 60.4 kDa	Tag Info	C-terminal 6xHis-tagged
	Mol. Weight	60.4 kDa



CUSABIO TECHNOLOGY LLC

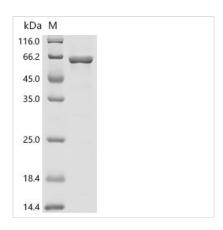




Protein Length

Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20?/-80?. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.