



Recombinant Human Ecto-NOX disulfide-thiol exchanger 2 (ENOX2)

Product Code	CSB-EP007677HUb1
Relevance	May be involved in cell growth. Probably acts as a terminal oxidase of plasma electron transport from cytosolic NAD(P)H via hydroquinones to acceptors at the cell surface. Hydroquinone oxidase activity alternates with a protein disulfide-thiol interchange/oxidoreductase activity which may control physical membrane displacements associated with vesicle budding or cell enlargement. The activities oscillate with a period length of 22 minutes and play a role in control of the ultradian cellular biological clock.
Abbreviation	Recombinant Human ENOX2 protein
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 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.
Uniprot No.	Q16206
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	MQRDFRWLWVYEIGYAADNSRTLNV DSTAMTLPM SDPTAWATAMNNLGMAP LGIAGQPILPDFDPALGMMTGIPPITMMPGLGIVPPP IPPDMPVVKEIIHCKSCT LFPPNPNLPPPATRERPPGCKTVFVGGLPENGTEQIIIVEVFECGEIIAIRKSKK NFCHIRFAEEYMVDKALYLSGYRIRLGSSDTKKDTGRLHVDFAQARDDLYEWE CKQRMLAREERHRRRMEEERLRPPSPPPVVHYS DHECSIVAEKLKDDSKFSE AVQTLT WIERGEVNRRSANNFYSMIQSANS HVRLVNEKAAHEKDMEEAKE KFKQALSGILIQFEQIVAVYHSASKQKAWDHFTKAQRKNISVWCKQAE EIRNIH NDELMGIRREEEMEMSDDEIEEMTETKETEE SALVSQAEALKEENDSLRWQL DAYRNEVELLKQE QGKVHREDDPNKEQQLKLLQQALQGMQQHLLKVQEEYK KKEAELEKLKDDKLQVEKMLENLKEKESCA SRLCASNQDSEYPLEKTMNSSPI KSEREALLVGIISTFLHVHPFGASIEYICSYLHRLDNKICTSDVECLMGRLQHTF KQEMTG VGASLEKRWKFCGFEG LKLT
Research Area	Cancer
Source	E.coli
Target Names	ENOX2
Protein Names	APK1 antigen Cytosolic ovarian carcinoma antigen 1 Tumor-associated hydroquinone oxidase
Expression Region	1-610aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

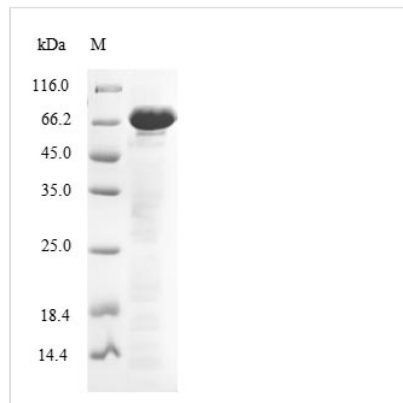


Tag Info N-terminal 10xHis-tagged and C-terminal Myc-tagged

Mol. Weight 77.1 kDa

Protein Length Full Length

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°C/-80°C. 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.