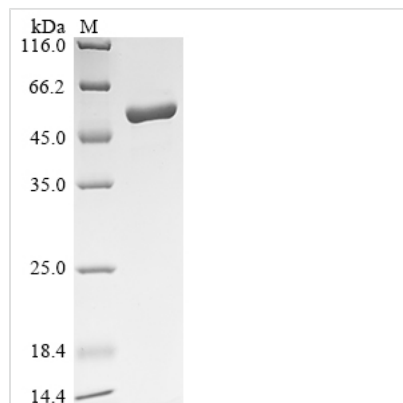




Recombinant Escherichia coli Adenosylmethionine-8-amino-7-oxononanoate aminotransferase (bioA)

Product Code	CSB-EP319034ENV
Abbreviation	Recombinant E.coli bioA 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.	P12995
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.
Product Type	Recombinant Protein
Immunogen Species	Escherichia coli (strain K12)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MTTDDLAFDQRHIWHPYTSMTSPLPVYPVVS AEGCELILSDGRRLVDGMSSW WAAIHGYNHPQLNAAMKSQIDAMSHVMFGGITHAPAIELCRKLVAMTPQPLEC VFLADSGSVAVEVAMKMALQYWQAKGEARQRFLTFRNGYHGDTFGAMSVCD PDNSMHSLWKGYLPENLFAPAPQSRMDGEWDERDMVGFARLMAAHRHEIAA VIIPIVQGAGGMRMYHPEWLKRIRKICDREGILLIADEIATGFGRTGKLFACEH AEIAPDILCLGKALTGGTMTLSATLTTREVAETISNGEAGCFMHGPTFMGNPLA CAAANASLAILES GDWQQQVADIEVQLREQLAPARDAEMVADVRLGAIGVVE TTHPVNMAALQKFFVEQGVWIRPFGKLIYLMPPYIILPQQQLQRLTAAVNRAVQD ETFFCQ
Research Area	Others
Source	E.coli
Target Names	bioA
Expression Region	1-429aa
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	54.8 kDa
Protein Length	Full Length
Image	



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

Description

The process of synthesizing the recombinant Escherichia coli (strain K12) bioA protein includes transfecting e.coli cells with a DNA expression vector containing the gene for the desired protein (1-429aa). Subsequently, the cells are cultured to induce the expression of the intended protein. The protein is fused with a N-terminal 10xHis tag and C-terminal Myc tag. The recombinant Escherichia coli (strain K12) bioA protein is then collected and purified from the cell lysate through affinity purification. It exhibits a purity exceeding 90%, as verified by SDS-PAGE.

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.