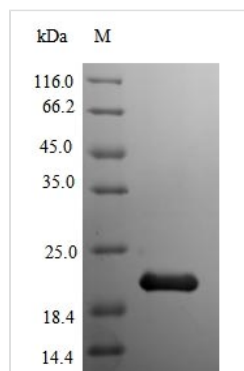




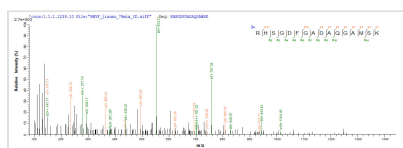
Recombinant Mouse Myoglobin (Mb)

Product Code	CSB-EP013529MO
Relevance	Serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles.
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.	P04247
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	GLSDGEWQLVLNVWGKVEADLAGHGQEVLI GLFKTHPETLDKFDKFKNLKSE EDMKGSEDLKKHGCTVLTALGTILKKKGQHA AEIQPLAQSHATKHKIPVKYLEFI SEIIIEVLKKRHSGDFGADAQGAMSKALELFRNDIAAKYKELGFQG
Lead Time	3-7 business days
Research Area	Cardiovascular
Source	E.coli
Gene Names	Mb
Protein Names	Recommended name: Myoglobin
Expression Region	2-154aa
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	21.9kDa
Protein Description	Full Length of Mature Protein

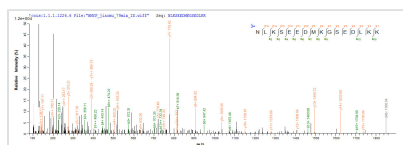
Image



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



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP013529MO could indicate that this peptide derived from E.coli-expressed Mus musculus (Mouse) Mb.



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Description

Boost your cardiovascular research with our Recombinant Mouse Myoglobin protein. This crucial protein, extracted from Mouse species, plays a key role in many biological processes.

The Myoglobin protein is expressed in E.coli and presented in its full length of mature form (2-154aa). To facilitate detection and purification, our Myoglobin protein is also furnished with N-terminal 10xHis-tagged and C-terminal Myc-tagged labels. Purity is of utmost importance in protein-based research. Assuring a purity greater than 90% as determined by SDS-PAGE, our product ensures the integrity and reliability of your data. Our product is available in two different forms, a ready-to-use liquid, and a lyophilized powder, catering to your experimental needs.

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.