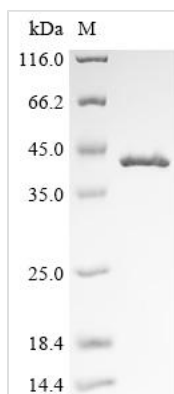




Recombinant Bovine Malate dehydrogenase, cytoplasmic (MDH1), Escherichia Coli

Product Code	CSB-EP660995BO
Abbreviation	Recombinant Bovine MDH1 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.	Q3T145
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 Bovine Malate dehydrogenase, cytoplasmic(MDH1), Escherichia Coli
Immunogen Species	Bos taurus (Bovine)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SEPIRVLTGAAGQIAYSLLYSIGNGSVFGKDQPIILVLLDITPMMGVLDGVLME LQDCALPLLKDVIATDKEEIAFKDLDAVLVGSMPPRRDGMERKDLLKANVKIFKC QGAALDKYAKKSVKVIVVGNPANTNCLTASKSAPSIPKENFSCLTRLDHNRAKA QIALKLGVTSDDVKNVWGNHSSTQYPDVNHAKVKLQGKEVGVEALKDDSW LKGEFITTQQRGAAVIKARKLSSAMSAKAICDHVRDIWFGTPEGEFVSMGIIS DGNSYGIPDDLlySFPVTIKDKTWKVVEGLPINDFSREKMDLTAKELAEKEKETA FEFLASA
Research Area	Others
Source	E.coli
Target Names	MDH1
Expression Region	2-334aa
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	43.8 kDa
Protein Length	Full Length of Mature Protein
Image	



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

Description

The generation of the recombinant Bovine MDH1 protein involves manipulating gene expression in e.coli cells. A specific DNA sequence coding for the Bovine MDH1 protein (2-334aa) is inserted to an expression vector, which is then introduced into e.coli cells. The cells that successfully receive the vector are selected and cultured to induce the expression of the desired protein. A N-terminal 10xHis tag and C-terminal Myc tag is attached to the protein. The recombinant Bovine MDH1 protein undergoes affinity purification, achieving a purity level exceeding 90%, as verified through SDS-PAGE analysis.

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.