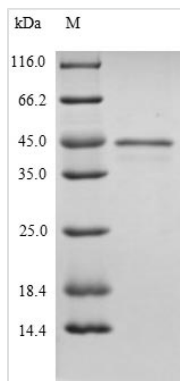




Recombinant *Bacillus methanolicus* NAD-dependent methanol dehydrogenase (mdh)

Product Code	CSB-YP330043BAU
Relevance	Catalyzes the oxidation of methanol to yield formaldehyde. It possesses a NADH-dependent formaldehyde reductase activity and cannot use NADP.
Abbreviation	Recombinant <i>Bacillus methanolicus</i> mdh 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.	P31005
Product Type	Recombinant Protein
Immunogen Species	<i>Bacillus methanolicus</i>
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	TNFFIPPASVIGRGAVKEVGTRLKQIGAKKALIVTDAFLHSTGLSEEVAKNIREA GLDVAIFPKAQPDPA DTQVHEGVDFVKQENC DALVSIGGGSSHDTAKAIGLVA ANGGRINDYQGVNSVEKPVVPVVAITTTAGTGSETTSLAVITDSARKVKMPVID EKITPTVAIVDPELMVKKPAGLTATGMDALSHAIEAYVAKGATPVTDFAIQAM KLINEYLPKAVANGEDIEAREAMAYAQYMAGVAFNNGGLGLVHSISHQVGGVY KLQHGICNSVNMPHVCAFNLIAKTERFAHIAELLGENVSGLSTAAAAERAIVALE RYNKNFGIPSGYAEMGVKEEDIELLAKNAFEDVCTQSNPRVATVQDIAQIIKNA L
Research Area	others
Source	Yeast
Target Names	mdh
Protein Names	Type 3 alcohol dehydrogenase
Expression Region	2-381aa
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
Mol. Weight	42.4kDa
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°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.