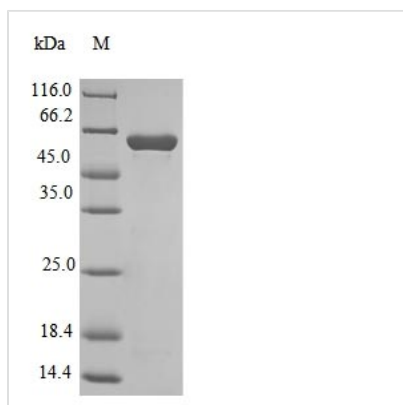




# Recombinant *Bacillus methanolicus* NAD-dependent methanol dehydrogenase (mdh)

<b>Product Code</b>	CSB-EP330043BAU
<b>Relevance</b>	Catalyzes the oxidation of methanol to yield formaldehyde. It possesses a NADH-dependent formaldehyde reductase activity and cannot use NADP.
<b>Storage</b>	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.
<b>Uniprot No.</b>	P31005
<b>Alias</b>	Type 3 alcohol dehydrogenase
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	<i>Bacillus methanolicus</i>
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	TNFFIPPASVIGRGAVKEVGTRLKQIGAKKALIVTDAFLHSTGLSEEVAKNIREA GLDVAIFPKAQPDADTQVHEGVDFVKQENC DALVSIGGGSSHDTAKAIGLVA ANGGRINDYQGVNSVEKPVVPVVAITTTAGTGSETTSLAVITDSARKVKMPVID EKITPTVAIVDPELMVKKPAGLTATGMDALSHAIEAYVAKGATPVTDFAIQAM KLINEYLPKAVANGEDIEAREAMAYAQYMAGVAFNNGGLGLVHSISHQVGGVY KLQHGICNSVNMPIHVCAFNLIAKTERFAHIAELLGENVSGLSTAAAAERAIVALE RYNKNFGIPSGYAEMGVKEEDIELLAKNAFEDVCTQSNPRVATVQDIAQIIKNA L
<b>Lead Time</b>	3-7 business days
<b>Research Area</b>	others
<b>Source</b>	<i>E.coli</i>
<b>Gene Names</b>	mdh
<b>Protein Names</b>	Recommended name: NAD-dependent methanol dehydrogenase Short name= MEDH EC= 1.1.1.244
<b>Expression Region</b>	2-381aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
<b>Mol. Weight</b>	59.9kDa
<b>Protein Description</b>	Full Length of Mature Protein
<b>Image</b>	



(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.