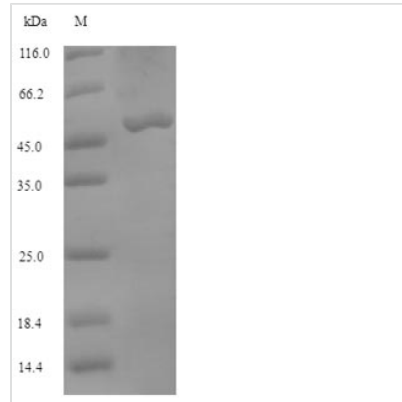




Recombinant Bovine Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial (MTHFD2)

Product Code	CSB-EP606691BO
Relevance	5,10-methylenetetrahydrofolate + NAD ⁺ = 5,10-methenyltetrahydrofolate + NADH. 5,10-methenyltetrahydrofolate + H ₂ O = 10-formyltetrahydrofolate.
Abbreviation	Recombinant Bovine MTHFD2 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.	Q0P5C2
Alias	NAD-dependent methylenetetrahydrofolate dehydrogenase Methenyltetrahydrofolate cyclohydrolase
Product Type	Recombinant Protein
Immunogen Species	Bos taurus (Bovine)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	EAVVISGRKLAEQIKQEVQRQVEVEEWVASGNKRPHLSVVLVGENPASQSYYVLNK TRAAASVGINSETILKPASISEEELLNLINKLNDDNDVGLLVQLPLPEHIDERKV CNAVSPDKDVDGFHVINVGRMCLDQCSMLPATPWGVWEIIKRTGIPTLGKNVV VAGRSKNVGMPIAMLLHTDGAHERPGGDATVTISHRYTPKEELKKHTALADIVI SAAGIPNLITADMIKEGAAVIDVGINRIQDPITAKPKLVGDVDFEGVKKKAGYITP VPGGVGPMTVAMLMKNTIIAAKKVLRLEEQEVLSKSKELGVASN
Research Area	Metabolism
Source	E.coli
Target Names	MTHFD2
Expression Region	36-350aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	49.9kDa
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.