Recombinant Bovine MTHFD2 Protein (36-350 aa), His-SUMO-tagged

Cat. No. MTHFD2-1868B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Bovine MTHFD2 Protein (36-350 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein.
Species	Bovine
Source	E.coli
ProteinLength	36-350 aa
Description	5,10-methylenetetrahydrofolate + NAD+ = 5,10-methenyltetrahydrofolate + NADH. 5,10-methenyltetrahydrofolate + H2O = 10-formyltetrahydrofolate.
Form	Tris-based buffer,50% glycerol
Molecular Mass	49.9 kDa
AA Sequence	EAVVISGRKLAEQIKQEVRQEVEEWVASGNKRPHLSVVLVGENPASQSYVLNKTRA AASVGINSETILKPASISEEELLNLINKLNNDDNVDGLLVQLPLPEHIDERKVCNAVSP DKDVDGFHVINVGRMCLDQCSMLPATPWGVWEIIKRTGIPTLGKNVVVAGRSKNVG MPIAMLLHTDGAHERPGGDATVTISHRYTPKEELKKHTALADIVISAAGIPNLITADMIK EGAAVIDVGINRIQDPITAKPKLVGDVDFEGVKKKAGYITPVPGGVGPMTVAMLMKN TIIAAKKVLRLEEQEVLKSKELGVASN

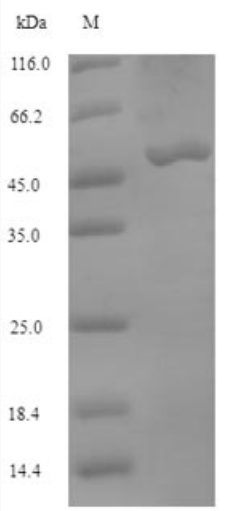
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45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	MTHFD2 methylenetetrahydrofolate dehydrogenase (NADP+ dependent) 2, methenyltetrahydrofolate cyclohydrolase [Bos taurus (cattle)]
Official Symbol	MTHFD2
Synonyms	MTHFD2; NAD-dependent methylenetetrahydrofolate dehydrogenase Methenyltetrahydrofolate cyclohydrolase;
Gene ID	517539
mRNA Refseq	NM_001075755
Protein Refseq	NP_001069223
UniProt ID	Q0P5C2

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

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