

Methylenetetrahydrofolate dehydrogenase/cyclohydrolase Recombinant Protein | MTHFD2 recombinant protein

Recombinant Bovine Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial

CATALOG # AAA117204	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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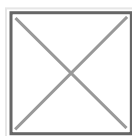
PRODUCT SYNONYMS

Methylenetetrahydrofolate dehydrogenase/cyclohydrolase; Recombinant Bovine Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase; mitochondrial; NAD-dependent methylenetetrahydrofolate dehydrogenase; Methenyltetrahydrofolate cyclohydrolase; MTHFD2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	36-350aa; Full Length
Sequence	EAVVISGRKL AEQIKQEVQR EVEEWASGN KRPHLSVVLV GENPASQSYV LNKTRAAASV GINSETILKP ASISEEELN LINKLNDDN VDGLLVQLPL PEHIDERKVC NAVSPDKDVD GFHVINVGRM CLDQCSMLPA TPWGVWEIHK RTGIPTLGKN VVAGRSKNV GMPIAMLLHT DGAHERPGGD ATVTISHRYT PKEELKKHTA LADIVISAAG IPNLITADMI KEGAAVIDVG INRIQDPITA KPKLVGDVDF EGVKKKAGYI TPVPGGVGPM TVAMLMKNTI IAAKKVLRLE EQEVLKSKEL GVASN
Sequence Length	350
Species	Bos taurus (Bovine)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MTHFD2 recombinant protein	5,10-methylenetetrahydrofolate + NAD ⁺ = 5,10-methenyltetrahydrofolate + NADH. 5,10-methenyltetrahydrofolate + H ₂ O = 10-formyltetrahydrofolate.
Product Categories/Family for MTHFD2 recombinant protein	Metabolism
References	NIH - Mammalian Gene Collection (MGC) project Submitted (AUG-2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	115496063
NCBI GeneID	517539

NCBI Accession #	NP_001069223.1
NCBI GenBank Nucleotide #	NM_001075755.2
UniProt Accession #	Q0P5C2
Molecular Weight	49.9 kDa
NCBI Official Full Name	bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
NCBI Official Symbol	MTHFD2
NCBI Protein Information	bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
UniProt Protein Name	Bifunctional methylenetetrahydrofolate dehydrogenase/cyclohydrolase, mitochondrial
UniProt Gene Name	MTHFD2
UniProt Entry Name	MTDC_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mthfd2-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/117204>