

Recombinant Mouse Mtr Protein, His-tagged

Cat. No. Mtr-1799M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Mtr Protein (Ser911-Asp1253) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser911-Asp1253
Description	Enables methionine synthase activity. Acts upstream of or within methionine biosynthetic process. Predicted to be located in cytoplasm. Predicted to be active in cytosol. Is expressed in several structures, including eye; genitourinary system; integumental system; limb; and nervous system. Human ortholog(s) of this gene implicated in several diseases, including IgA glomerulonephritis; autistic disorder; hematologic cancer (multiple); hyperhomocysteinemia; and methylmalonic aciduria and homocystinuria type cb1G. Orthologous to human MTR (5-methyltetrahydrofolate-homocysteine methyltransferase).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.7 kDa Accurate Molecular Mass: 46 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Mtr 5-methyltetrahydrofolate-homocysteine methyltransferase [Mus musculus (house mouse)]
Official Symbol	Mtr
Synonyms	MTR; 5-methyltetrahydrofolate-homocysteine methyltransferase; methionine synthase; vitamin-B12 dependent methionine synthase; 5-methyltetrahydrofolate--homocysteine methyltransferase; MS; AI894170; D830038K18Rik;
Gene ID	238505
mRNA Refseq	NM_001081128
Protein Refseq	NP_001074597

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UniProt ID

A6H5Y3

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