

## Recombinant Mouse Mtr Protein, His-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Mtr Protein (Ser911-Asp1253) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Ser911-Asp1253
<b>Description</b>	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 cb IG. Orthologous to human MTR (5-methyltetrahydrofolate-homocysteine methyltransferase).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 42.7 kDa Accurate Molecular Mass: 46 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

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

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UniProt ID

A6H5Y3

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