

Recombinant Human MTR Protein, His-tagged

MTR-487H Human

Lot. No. (See product label)

Specification

Product Overview Recombinant Human MTR(Ser923~Asp1265) fused with His tag at N-terminal was expressed in E. coli.

Description This gene encodes the 5-methyltetrahydrofolate-homocysteine methyltransferase. This enzyme, also known as cobalamin-dependent methionine synthase, catalyzes the final step in methionine biosynthesis. Mutations in MTR have been identified as the underlying cause of methylcobalamin deficiency complementation group G. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Source E. coli

Species Human

Tag His

Form PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass 42.7kDa

Protein length Ser923~Asp1265

Endotoxin <1.0EU per 1µg (determined by the LAL method)

Purity >95%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
If bio-activity of the protein is needed, please check active protein.

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.

Reconstitution Reconstitute in PBS or others.

Gene Information

Gene Name [MTR 5-methyltetrahydrofolate-homocysteine methyltransferase \[Homo sapiens \]](#)

Official Symbol [MTR](#)

Synonyms MTR; 5-methyltetrahydrofolate-homocysteine methyltransferase; methionine synthase; cblG;

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cobalamin-dependent methionine synthase; vitamin-B12 dependent methionine synthase; 5-methyltetrahydrofolate-homocysteine methyltransferase 1; MS; FLJ33168; FLJ43216; FLJ45386;

Gene ID [4548](#)

mRNA Refseq [NM_000254](#)

Protein Refseq [NP_000245](#)

MIM [156570](#)

UniProt ID [Q99707](#)

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