

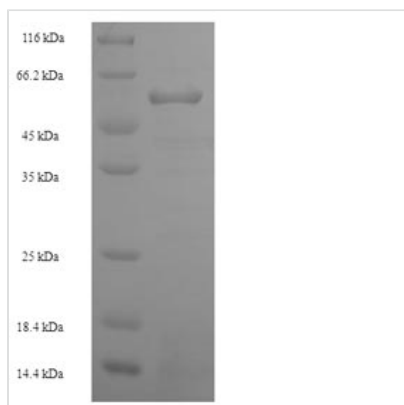


# Recombinant Human Methionine synthase (MTR), partial

<b>Product Code</b>	CSB-EP859939HU
<b>Relevance</b>	Catalyzes the transfer of a methyl group from methyl-cobalamin to homocysteine, yielding enzyme-bound cob(I)alamin and methionine. Subsequently, remethylates the cofactor using methyltetrahydrofolate (By similarity).
<b>Abbreviation</b>	Recombinant Human MTR protein, partial
<b>Storage</b>	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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q99707
<b>Alias</b>	5-methyltetrahydrofolate--homocysteine methyltransferase Vitamin-B12 dependent methionine synthase Short name: MS
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥ 90% as determined by SDS-PAGE.
<b>Sequence</b>	SLKERRYLPLSQARKSGFQMDWLSEPHVVKPTFIGTQVFEDYDLQKLVDYIDW KPFDFVWQLRGKYPNRFKIFNDKTVGGARKVYDDAHNMLNTLISQKCLR ARGVVGFWPAQSIQDDIHLAEAAVPQAAEPIATFYGLRQQAEEKDSASTEPYY CLSDFIAPLHSGIRDYLGFLFVAVACFGVEELSKAYEDDGGDYSSIMVKALGDRLA EAFAEELHERVRRELWAYCGSEQLDVADLRRLRYKIRPAPGYPSQPDHTEK LTMWRLADIEQSTGIRLTESLAMAPASAVSGLYFSNLKSKYFAVGKISKDQVED YALRKNISVAEVEKWLGPILGYDTD
<b>Research Area</b>	Epigenetics and Nuclear Signaling
<b>Source</b>	E.coli
<b>Target Names</b>	MTR
<b>Protein Names</b>	Recommended name: Methionine synthase EC= 2.1.1.13 Alternative name(s): 5-methyltetrahydrofolate--homocysteine methyltransferase Vitamin-B12 dependent methionine synthase Short name= MS
<b>Expression Region</b>	923-1265aa
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	N-terminal 6xHis-SUMO-tagged
<b>Mol. Weight</b>	55.0kDa
<b>Protein Length</b>	Partial



## Image



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

## Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

## Shelf Life

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°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.