

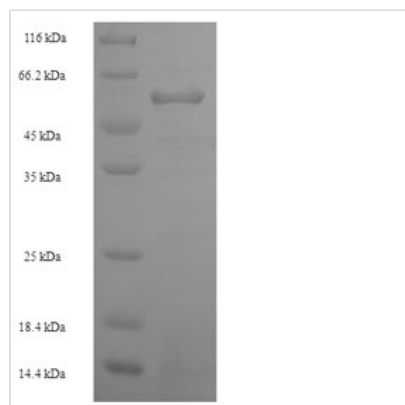


Recombinant Human Methionine synthase (MTR), partial

Product Code	CSB-EP859939HU
Relevance	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).
Abbreviation	Recombinant Human MTR protein, partial
Storage	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.
Uniprot No.	Q99707
Alias	5-methyltetrahydrofolate--homocysteine methyltransferase Vitamin-B12 dependent methionine synthase Short name: MS
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	SLKERRYLP L S Q A R K S G F Q M D W L S E P H P V K P T F I G T Q V F E D Y D L Q K L V D Y I D W K P F F D V W Q L R G K Y P N R G F P K I F N D K T V G G E A R K V Y D D A H N M L N T L I S Q K K L R A R G V V G F W P A Q S I Q D D I H L Y A E A A V P Q A A E P I A T F Y G L R Q Q A E K D S A S T E P Y Y C L S D F I A P L H S G I R D Y L G L F A V A C F G V E E L S K A Y E D D G D D Y S S I M V K A L G D R L A E A F A E E L H E R V R R E L W A Y C G S E Q L D V A D L R R L R Y K G I R P A P G Y P S Q P D H T E K L T M W R L A D I E Q S T G I R L T E S L A M A P A S A V S G L Y F S N L K S K Y F A V G K I S K D Q V E D Y A L R K N I S V A E V E K W L G P I L G Y D T D
Research Area	Epigenetics and Nuclear Signaling
Source	E.coli
Target Names	MTR
Protein Names	Recommended name: Methionine synthase EC= 2.1.1.13 Alternative name(s): 5-methyltetrahydrofolate--homocysteine methyltransferase Vitamin-B12 dependent methionine synthase Short name= MS
Expression Region	923-1265aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	55.0kDa
Protein Length	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.