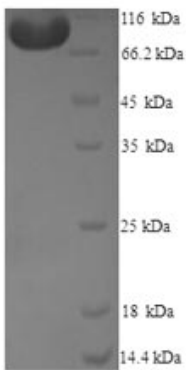




# Recombinant Human Methionine synthase reductase (MTRR)

<b>Product Code</b>	CSB-YP890659HU
<b>Relevance</b>	Involved in the reductive regeneration of cob(I)alamin (vitamin B12) cofactor required for the maintenance of methionine synthase in a functional state. Necessary for utilization of methylgroups from the folate cycle, thereby affecting transgenerational epigenetic inheritance. Folate pathway donates methyl groups necessary for cellular methylation and affects different pathways such as DNA methylation, possibly explaining the transgenerational epigenetic inheritance effects.
<b>Abbreviation</b>	Recombinant Human MTRR protein
<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>	Q9UBK8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Sequence</b>	MGAASVRAGARLVEVALCSFTVTCLEVMRRFLLLYATQQGQAKAIAEEICEQA VVHGFSA DLHCISESDKYDLKTETAPLVVVVSTTGTGDPPTARKFVKEIQNQ T LPVDFFAHLRYG LLGLGDSEYTYFCNGGKIIDKRLQELGARHFYDTGHADDCV GLELVVEPW IAGLWPALRKHFRSSRGQEEISGALPVASPASSRTDLVKSELLHI ESQVELLRFD DSGRKDSEVLKQNAVNSNQSNVVEDFESSLTRSV PPLSQASL NIPGLPPEYLQVHLQESLGQEE SQSVTSADPVFQVPISKAVQLTTNDAIKTTLL VELDISNTDFS YQPGDAFSVICPNSDSEVQSLLQRLQLEDKREHCVLLKIKADT KKKGATLPQH IPAGCSLQFIFTWCLEIRAIPKKAFLRALVDYTS DSAEKRRRLQEL CSKQGAADYSRFVRDACACLLDLLLAF PSCQPPLSLLLEHLPKLQPRPYSCAS SSLFHPGKLHFVFNIVEFLSTATTEVLRKGVCTGWLALLVASVLQPN IHASHED SGKALAPKISISPRTTNSFHL PDDPSIPIIMVGPGTG IAPFIGFLQHREKLQE QHP DGNFGAMWLF FGCGRHKDRDYLF RKELRHFLKHGILTHLKV SF SRDAPV GEEE APAKYVQDN IQLHGQQVARILLQENGHIYVCGDAKNMAKDVH DALVQIISKEVG VEKLEAMKTLATLKEEKRYLQDIWS
<b>Research Area</b>	Metabolism
<b>Source</b>	Yeast
<b>Target Names</b>	MTRR
<b>Protein Names</b>	Recommended name: Methionine synthase reductase Short name= MSR EC= 1.16.1.8
<b>Expression Region</b>	1-725aa



<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-tagged
<b>Mol. Weight</b>	82.4kDa
<b>Protein Length</b>	Full Length
<b>Image</b>	<div data-bbox="438 526 845 931">  </div> <div data-bbox="861 526 1342 622"> <p>(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.</p> </div>
<b>Reconstitution</b>	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.
<b>Shelf Life</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.