

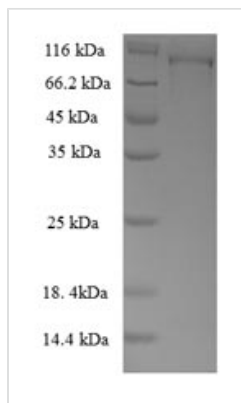


Recombinant Human Methionine synthase reductase (MTRR)

Product Code	CSB-EP890659HU
Relevance	Involved in the reductive regeneration of cob(l)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.
Abbreviation	MTRR
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.	Q9UBK8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGAASVRAGARLVEVALCSFTVTCLEVMRRFLLLYATQQGQAKAIAEEICEQA VVHGFSAADLHCISESDKYDLKTETAPLVVVVSTTGTGDPPTARKFVKEIQNQT LPVDFFAHLRYGLLGLGDSEYTYFCNGGKIIDKRLQELGARHFYDTGHADDCV GLELVVEPWIAGLWPALRKHFRSSRGQEEISGALPVASPASSRTDLVKSELLHI ESQVELLRFDSDGRKDSEVLKQNAVNSNQSNVVEDFESSLTRSVPLSQASL NIPGLPPEYLQVHLQESLGQEEESQVSVTSADPVFQVPISKAVQLTTNDAIKTTLL VELDISNTDFSYPGDAFSVICPNSDSEVQSLLQRLQLEDKREHCVLLKIKADT KKKGATLPQHIPAGCSLQFIFTWCLEIRAIPKKAFLRALVDYTSDSAERRLQEL CSKQGAADYSRFVRDACACLLDLLLAFPSQPPLSLLLEHLPKLQPRPYSCAS SSLFHPGKLHFVFNIVEFLSTATTEVLRKGVCTGWLALLVASVLQPNHASHED SGKALAPKISISPRTTNSFHLPPDDPSIPIIMVGP GTGIAPFIGFLQHREKLQEQHP DGNFGAMWLFFGCRHKDRDYLFRKELRHFLKHGILTHLKVFSRDPVGE EAPAKYVQDNIQLHGQQVARILLQENGHIYVCGDAKNMAKDVHDAVQIISKEVG VEKLEAMKTLATLKEEKRYLQDIWS
Lead Time	Delivery time may differ from different purchasing way or location, please kindly consult your local distributors for specific delivery time.
Research Area	Metabolism
Source	E.coli
Gene Names	MTRR
Protein Names	Recommended name: Methionine synthase reductase Short name= MSR EC= 1.16.1.8



Expression Region	1-725aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	107.4kDa
Protein Description	Full Length

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.