Recombinant Human Methionine synthase reductase (MTRR)

Product Code	CSB-MP890659HU
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	>85% (SDS-PAGE)
Sequence	MGAASVRAGA RLVEVALCSF TVTCLEVMRR FLLLYATQQG QAKAIAEEIC EQAVVHGFSA DLHCISESDK YDLKTETAPL VVVVSTTGTG DPPDTARKFV KEIQNQTLPV DFFAHLRYGL LGLGDSEYTY FCNGGKIIDK RLQELGARHF YDTGHADDCV GLELVVEPWI AGLWPALRKH FRSSRGQEEI SGALPVASPA SSRTDLVKSE LLHIESQVEL LRFDDSGRKD SEVLKQNAVN SNQSNVVIED FESSLTRSVP PLSQASLNIP GLPPEYLQVH LQESLGQEES QVSVTSADPV FQVPISKAVQ LTTNDAIKTT LLVELDISNT DFSYQPGDAF SVICPNSDSE VQSLLQRLQL EDKREHCVLL KIKADTKKKG ATLPQHIPAG CSLQFIFTWC LEIRAIPKKA FLRALVDYTS DSAEKRRLQE LCSKQGAADY SRFVRDACAC LLDLLLAFPS CQPPLSLLLE HLPKLQPRPY SCASSSLFHP GKLHFVFNIV EFLSTATTEV LRKGVCTGWL ALLVASVLQP NIHASHEDSG KALAPKISIS PRTTNSFHLP DDPSIPIIMV GPGTGIAPFI GFLQHREKLQ EQHPDGNFGA MWLFFGCRHK DRDYLFRKEL RHFLKHGILT HLKVSFSRDA PVGEEEAPAK YVQDNIQLHG QQVARILLQE NGHIYVCGDA KNMAKDVHDA LVQIISKEVG VEKLEAMKTL ATLKEEKRYL QDIWS
Source	Mammalian cell
Target Names	MTRR
Protein Names	Recommended name: Methionine synthase reductase Short name= MSR EC= 1.16.1.8
Expression Region	1-725
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	Methionine is an essential amino acid required for protein synthesis and one-carbon metabolism. Its synthesis is catalyzed by the enzyme methionine synthase. Methionine synthase eventually becomes inactive due to the oxidation

	of its cob(I)alamin cofactor. This protein regenerates a functional methionine synthase via reductive methylation. It is a member of the ferredoxin-NADP(+) reductase (FNR) family of electron transferases. Patients of the cbl-E complementation group of disorders of folate/cobalamin metabolism are defective in reductive activation of methionine synthase. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms.
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.