



# Recombinant Human Methionine synthase reductase (MTRR)

<b>Product Code</b>	CSB-EP890659HU-B
<b>Abbreviation</b>	MTRR
<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>	>85% (SDS-PAGE)
<b>Sequence</b>	MGAASVRAGA RLVEVALCSF TVTCLEVMRR FLLLYATQQG QAKAIAEEIC EQAVVHGFS A DLHCISESDK YDLKTETAPL VVVVSTTGTG DPPDTARKFV KEIQNQTLPV DFFAHLRYGL LGLGDSEYTY FCNGGKIIDK RLQELGARHF YDTGHADDCV GLELVVEPWI AGLWPALRKH FRSSRGQEEI SGALPVASPA SSRTDLVKSE LLHIESQVEL LRFDDSGRKD SEVLKQNAVN SNQSNVVID FESSLTRSVP PLSQASLNIP GLPPEYLQVH LQESLGQEEES QVSVTSADPV FQVPISKAVQ LTTNDAIKTT LLVELDISNT DFSYQPGDAF SVICPNSDSE VQSLQRLQL EDKREHCVLL KIKADTKKKG ATLPQHIPAG CSLQFIFTWC LEIRAIPKKA FLRALVDYTS DSAEKRRRLQE LCSKQGAADY SRFVRDACAC LLDLLAFPS CQPPLSLLLE HLPKLQRPY SCASSSLFHP GKLHFVFNIV EFLSTATTEV LRKGVCTGWL ALLVASVLQP NIHASHEDSG KALAPKISIS PRTTNSFHLP DDPSIIMV GPGTGIAPFI GFLQHREKLQ EQHPDGNFGA MWLFFGCRHK DRDYLFKEL RHFLKHGILT HLKVSFSRDA PVGEEEEAPAK YVQDNIQLHG QQVARILLQE NGHIYVCGDA KNMAKDVHDA LVQIISKEVG VEKLEAMKTL ATLKEEKRYL QDIWS
<b>Source</b>	E.coli
<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>	1-725
<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>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	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.

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**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.

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**Shelf Life**

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