



Recombinant Human MTRR Protein Product Manual

1. Product Basic Information

Product No.: REP07525

Protein Name: Aqcbl Reductase (MTRR)

Aliases: MSR; cblE; aqCbl reductase; aquacobalamin reductase; methionine synthase reductase; methionine synthase reductase, mitochondrial

UniProt ID: Q9UBK8

UniProt Link: <https://www.uniprot.org/uniprotkb/Q9UBK8/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length (1-725aa)

Molecular Weight: 107.4kDa

Protein Tag: N-terminal GST-tagged

2. Amino Acid Sequence (1-725aa)

MGAASVRAGARLVEVALCSFTVTCLEVMRRFLLLYATQQGQAKAIAEEICEQAVVH
GFSADLHCISESDKYDLKTETAPLVVVVSTTGTGDPPDTARKFVKEIQNQTLPVDF
AHLRYGLLGLGDSEYTYFCNGGKIIDKRLQELGARHFYDTGHADDCVGLELVVEPW
IAGLWPALRKHFRRSSRGQEEISGALPVASPASSRTDLVKSELLHIESQVELLRFDSD
GRKDSEVLKQNAVNSNQSNVIEDFESSLTRSVPLSQASLNIPGLPPEYLQVHLQE
SLGQEEESQVSVTSADPVFQVPISKAVQLTTNDAIKTTLLVELDISNTDFSYPGDAFS
VICPNSDSEVQSLLQRLQLEDKREHCVLLKIKADTKKKGATLPQHIPAGCSLQFIFTW
CLEIRAIKKAFRLALVDYTSDSAERRLQELCSKQGAADYSRFVRDACACLLDLLL
AFPSCQPPLSLLLEHLPKLQPRPYSCASSSLFHPGKLHFVFNIVEFLSTATTEVLRKG
VCTGWLALLVASVLQPNHASHEDSGKALAPKISISPRTTNSFHLPDDPSIPIIMVGPG
TGIAPFIGFLQHREKLQEHPDGNFGAMWLFFGCRHKDRDYLFRKELRHFLKHGIL
THLKVSFSRDAPVGEEEPAPAKYVQDNIQLHGQQVARILLQENGHIYVCGDAKNMAK
DVHDAVLVQIISKEVGVEKLEAMKTLATLKEEKRYLQDIWS

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom



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glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human MTRR full length protein (1-725aa) expressed in E.coli. The protein is with GST tag at the N-terminus, which facilitates protein purification, detection and identification. MTRR, also known as MSR or cblE or aqCbl reductase, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.