



# Recombinant Methanothermobacter marburgensis 5,10-methylenetetrahydromethanopterin reductase (mer)

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|--------------------------|---|
| <b>Product Code</b>      | CSB-EP703506MSQ   |
| <b>Abbreviation</b>      | mer   |
| <b>Storage</b>           | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.<br>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>       | Q50744  |
| <b>Product Type</b>      | Recombinant Protein   |
| <b>Immunogen Species</b> | Methanothermobacter marburgensis (strain ATCC BAA-927 / DSM 2133 / JCM 14651 / NBRC 100331 / OCM 82 / Marburg) (Methanobacterium thermoautotrophicum)   |
| <b>Purity</b>            | >85% (SDS-PAGE)   |
| <b>Sequence</b>          | MKFGIEFVPN EPIEKIVKLV KLAEDVGFY AWITDHYNNK NVYETLALIA<br>EGTETIKLGP GVTNPYVRSP AITASAIATL DELSNGRATL GIGPGDKATF<br>DALGIEWVKP VSTIRDAIAM MRTLLAGEKT ESGAQLMGVK AVQEKIPIYM<br>GAQGPMLKT AGEISDGALI NASNPKDFEA AVPLIKEGAE AAGKSIADID<br>VAAYTCCSID EDAAAAANAA KIVVAFIAAG SPPPVFERHG LPADTGKKFG<br>ELLGKGDFFG AIGAVDDALM EAFSVVGTDP EPIKIEALG EMGVTQYVAG<br>SPIGPDKEKS IKLLGEVIAS F                            |
| <b>Source</b>            | E.coli  |
| <b>Target Names</b>      | mer   |
| <b>Protein Names</b>     | Recommended name: 5,10-methylenetetrahydromethanopterin reductase EC=1.5.99.11 Alternative name(s): Coenzyme F420-dependent N(5),N(10)-methylenetetrahydromethanopterin reductase Methylene-H(4)MPT reductase   |
| <b>Expression Region</b> | 1-321   |
| <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>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. |



## Shelf Life

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