

# Recombinant Human MMUT protein, GST-tagged

**Cat. No.** MMUT-316H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MMUT protein(NP_000246.2)(401-750 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | 401-750 aa                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> ,17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.                                                                                                                                            |
| <b>AA Sequence</b>      | SARIARNTQIIQEESGIPKVADPWGGSYMMECTNDVYDAALKLINEIEEMGGMAKA<br>VAEGIPKLRIEECAARRQARIDSGSEVIVGVNKYQLEKEDTVEVLIDNTSVRNRQIEK<br>LKKIKSSRDQALAERCLAALTECAASGDGNILALAVDASRARCTVGEITDALKKVFG<br>HKANDRMVSGAYRQEFGESKEITSAIKRVHKFMEREGRRPRLLVAKMGQDGHDRG<br>AKVIATGFADLGFDVDIGPLFQTPREVAQQAVDADVHAVGVSTLAAGHKTLVPELIKE<br>LNSLGRPDILVMCGGVIPPQDYEFLEFGVSNVFGPGTRIPKAAVQVLDDIEKCLEKK<br>QQSV |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>          | Aliquot and store at -20°C to -80°C for up to 6 months. Avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                          |

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**Concentration** The purified protein was Lyophilized from sterile PBS (58mM Na<sub>2</sub>HPO<sub>4</sub>, 17mM NaH<sub>2</sub>PO<sub>4</sub>, 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization.

**Reconstitution** Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

**Gene Name** [MMUT methylmalonyl-CoA mutase \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [MMUT](#)

**Synonyms** MCM; MUT; MMUT

**Gene ID** [4594](#)

**mRNA Refseq** [NM\\_000255.4](#)

**Protein Refseq** [NP\\_000246.2](#)

**MIM** [609058](#)

**UniProt ID** [P22033](#)

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