

# Recombinant Human MTR protein, His-SUMO-tagged

**Cat. No.** MTR-4759H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human MTR protein(Q99707)(923-1265aa), fused to N-terminal His-SUMO tag, was expressed in E. coli                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 923-1265aa                                                                                                                                                                                                                                                    |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>              |
| <b>Molecular Mass</b>   | 55 kDa                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                   |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                                                |
| <b>Reconstitution</b>   | 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%. |

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## GENE INFORMATION

|                 |                                                                                                                                                                                                                                                                           |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | MTR 5-methyltetrahydrofolate-homocysteine methyltransferase [ Homo sapiens ]                                                                                                                                                                                              |
| Official Symbol | MTR                                                                                                                                                                                                                                                                       |
| Synonyms        | MTR; 5-methyltetrahydrofolate-homocysteine methyltransferase; methionine synthase; cblG; cobalamin-dependent methionine synthase; vitamin-B12 dependent methionine synthase; 5-methyltetrahydrofolate-homocysteine methyltransferase 1; MS; FLJ33168; FLJ43216; FLJ45386; |
| Gene ID         | 4548                                                                                                                                                                                                                                                                      |
| mRNA Refseq     | NM_000254                                                                                                                                                                                                                                                                 |
| Protein Refseq  | NP_000245                                                                                                                                                                                                                                                                 |
| MIM             | 156570                                                                                                                                                                                                                                                                    |
| UniProt ID      | Q99707                                                                                                                                                                                                                                                                    |

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