# Recombinant Human TUFM Protein (44-452 aa), His-SUMO-tagged

**Cat. No.** TUFM-845H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human TUFM Protein (44-452 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length of Mature Protein. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | 44-452 aa |
| **Description** | This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. |
| **Form** | Tris-based buffer, 50% glycerol |
| **Molecular Mass** | 61.0 kDa |
| **AA Sequence** | AVEAKKTYVRDKPHVNVGTIGHVDHGKTTLTAAITKILAEGGGAKFKKYEEIDNAPEE RARGITINAAHVEYSTAARHYAHTDCPGHADYVKNMITGTAPLDGCILVVAANDGPM PQTREHLLLARQIGVEHVVVYVNKADAVQDSEMVELVELEIRELLTEFGYKGEETPVI VGSALCALEGRDPELGLKSVQKLLDAVDTYIPVPARDLEKPFLLPVEAVYSVPGRGT VVTGTLERGILKKGDECELLGHSKNIRTVVTGIEMFHKSLERAEAGDNLGALVRGLK REDLRRGLVMVKPGSIKPHQKVEAQVYILSKEEGGRHKPFVSHFMPVMFSLTWDMA CRIILPPEKELAMPGEDLKFNLILRQPMILEKGQRFTLRDGNRTIGTGLVTNTLAMTEE |

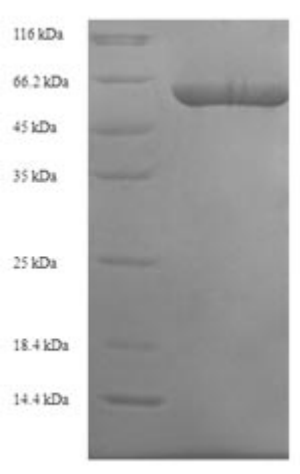
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|---|---|
| | EKNIKWG |
| **Purity** | > 90% as determined by SDS-PAGE. |
| **Notes** | Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week. |
| **Storage** | The shelf life is related to many 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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade. |
| **Concentration** | A hardcopy of COA with concentration instruction is sent along with the products. |

## GENE INFORMATION

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| **Gene Name** | TUFM Tu translation elongation factor, mitochondrial [ Homo sapiens ] |
| **Official Symbol** | TUFM |
| **Synonyms** | TUFM; EF TuMT; EFTu; EFTU; EF-Tu; P43; COXPD4; EF-TuMT; |
| **Gene ID** | 7284 |
| **mRNA Refseq** | NM_003321 |
| **Protein Refseq** | NP_003312 |
| **MIM** | 602389 |
| **UniProt ID** | P49411 |

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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