Recombinant Human TUFM Protein (46-290 aa), His-tagged

Cat. No. TUFM-1189H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TUFM Protein (46-290 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Partial.
Species	Human
Source	E.coli
ProteinLength	46-290 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	30.5 kDa
AA Sequence	EAKKTYVRDKPHVNVGTIGHVDHGKTTLTAAITKILAEGGGAKFKKYEEIDNAPEERARGITINAAHVEYSTAARHYAHTDCPGHADYVKNMITGTAPLDGCILVVAANDGPMPQTREHLLLARQIGVEHVVVYVNKADAVQDSEMVELVELEIRELLTEFGYKGEETPVIVGSALCALEGRDPELGLKSVQKLLDAVDTYIPVPARDLEKPFLLPVEAVYSVPGRGTVVTGTLERGILKKGDEC
Purity	> 90% as determined by SDS-PAGE.

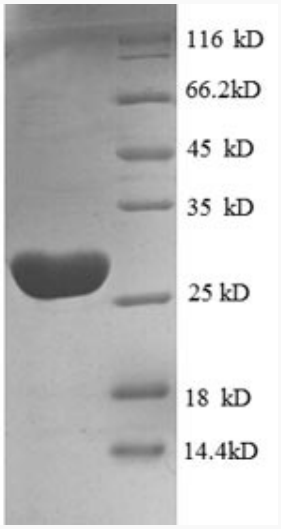
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Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein 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 reconstitution instruction is sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

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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