

Recombinant Human TUFM, GST-tagged

Cat. No. TUFM-310H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TUFM(40 a.a. - 455 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes a protein which participates in protein translation in mitochondria. Mutations in this gene have been associated with combined oxidative phosphorylation deficiency resulting in lactic acidosis and fatal encephalopathy. A pseudogene has been identified on chromosome 17.
Molecular Mass	71.5 kDa
AA Sequence	PLLCRGLAVEAKKTYVRDKPHVNVGTIGHVDHGKTTLTAAATTKILAEGGGAKFKKYE EIDNAPEERARGITINAA HVEYSTAARHYAHTDCPGHADYVKNMITGTAPLDGCILVV AANDGMPQTREHLLARQIGVEHVVVVYNKADAV QDSEMVELVELEIRELLTEFG YKGEETPVIVGSALCALEGRDPELGLKSVQKLLDAVDTYIPVPARDLEKPFLLP VEA YSVPGRGT VVTGTLER GILKKGDECELLGHSKNIRTVVTGIEMFHKSLERAEAGDNL GALVRGLKREDLRR GLVMVKPGSIKPHQKVEAQVYILSKEEGGRHKPFVSHFMPV MFSLTWDMACRIILPPEKELAMPGEDLKFNILR QPMILEKGQRFTLRDGNRTIGTGL VTNTLAMTEEEKNIKWG
Applications	ELISA; WB-Re; AP; Array

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Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	TUFM Tu translation elongation factor, mitochondrial [Homo sapiens]
Official Symbol	TUFM
Synonyms	TUFM; Tu translation elongation factor, mitochondrial; elongation factor Tu, mitochondrial; EF TuMT; EFTu; EFTU
Gene ID	7284
mRNA Refseq	NM_003321
Protein Refseq	NP_003312
MIM	602389
UniProt ID	P49411
Chromosome Location	16p11.2
Function	GTP binding; GTPase activity; nucleotide binding; translation elongation factor activity

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