

## Recombinant Human TUFM, GST-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human TUFM(40 a.a. - 455 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>Description</b>	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.
<b>Molecular Mass</b>	71.5 kDa
<b>AA Sequence</b>	<p>                     PLLCRGLAVEAKKTYVRDKPHVNVGTIGHVDHGKTTLTAATTKILAEGGGAKFKKYE                      EIDNAPEERARGITINAA HVEYSTAARHYAHTDCPGHADYVKNMITGTAPLDGCILVV                      AANDGPMPQTREHLLARQIGVEHVVVVYVVKADAV QDSEMVELVELEIRELLTEFG                      YKGEETPVIVGSALCALEGRDPELGLKSVQKLLDAVDTYIPVPARDLEKPFLLP VEAV                      YSVPGRGTVVTGTLERLILKKGDECELLGHSKNIRTVVTGIEMFHKSLERAEAGDNL                      GALVRGLKREDLRR GLVMVKPGSIKPHQKVEAQVYILSKEEGGRHKPFVSHFMPV                      MFSLTWDMACRIILPPEKELAMPGEDLKFNLILR QPMILEKGQRFTLRDGNRTIGTGL                      VTNTLAMTEEEKNIKWG                 </p>
<b>Applications</b>	ELISA; WB-Re; AP; Array

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

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