

Recombinant Human TUFM, His-tagged

Cat. No. TUFM-31633TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 211-452 of Human TUFM with an N terminal His tag. Predicted MWt: 28 kDa,
Species	Human
Source	E.coli
ProteinLength	211-452 a.a.
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.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 69 µl aqua dest.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	EETPVIVGSALCALEGRDPELGLKSVQKLLDAVDTYIPVP ARDLEKPFLLPVEAVYSV PGRGTVVTGTLERGIKKGD ECELLGHSKNIRTVVVTGIEMFHKSLERAEAGDNLGAL

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V RGLKREDLRRGLVMVKPGSIKPHQKVEAQVYILSKEEGGR HKPFVSHFMPVMFS
 LTWDMACRIILPPEKELAMPGEDL KFNLILRQPMILEKGRFTLRDGNRTIGTGLVTN
 TLAM TEEENIKWG

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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