

## Recombinant Human TUFM protein, His-tagged

Cat. No. TUFM-3636H Lot. No. (See product label)

### SPECIFICATION

**Product Overview** Recombinant Human TUFM protein(P49411)(44-452aa), fused to N-terminal His tag, was expressed in E. coli.

**Species** Human

**Source** E.coli

**ProteinLength** 44-452aa

**Form** If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.  
If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.

**Molecular Mass** 49 kDa

**AA Sequence**

```
MREIVHLQAGQCGNQIGAKFWEVISDEHGIDPTGTYHGDSDLQLERINVYYNEATGG
NYVPRAVLVDLEPGTMDSVRSRSGPFGQIFRPDNFVFGQSGAGNNWAKGHYTEGAEL
VDAVLDDVVRKEAESCDCLQGFLTHSLGGGTGSGMGTLLISKIREEFPDRIMNTFSV
VPSPKVSDTVVEPYNATLSVHQLVENTDETYCIDNEALYDICFRTLKLTTPYGDLNH
LVSATMSGVTTCLRFPGQLNADLRKLAVNMVPPFRLHFFMPGFAPLTSRGSQQYRA
LTVPELTQQMFDANKMMAACDPRHGRYLTVAAVFRGRMSMKEVDEQMLSVQSKN
SSYFVEWIPNNVKTAVCDIPRGLKMAATFIGNSTAIQELFKRISEQFTAMFRRKAFL
HWYTGEGMDEMEFTEAESNMNDLVSEYQQYQDATAEEGEFEEEEEEVA
```

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<b>Purity</b>	Greater than 90% as determined by SDS-PAGE.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

<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; EF-Tu; P43; COXPD4; EF-TuMT;
<b>Gene ID</b>	7284
<b>mRNA Refseq</b>	NM_003321
<b>Protein Refseq</b>	NP_003312
<b>MIM</b>	602389
<b>UniProt ID</b>	P49411

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