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TUFM Blocking Peptide (N-term)

Synthetic peptide
Catalog # BP20640a

Specification

TUFM Blocking Peptide (N-term) - Product Information

Primary Accession	P49411
Other Accession	P85834, Q8BFR5, P49410

TUFM Blocking Peptide (N-term) - Additional Information

Gene ID 7284

Other Names
Elongation factor Tu, mitochondrial, EF-Tu, P43, TUFM

Target/Specificity
The synthetic peptide sequence is selected from aa 112-127 of HUMAN TUFM

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TUFM Blocking Peptide (N-term) - Protein Information

Name TUFM

Function
Promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis. Also plays a role in the regulation of autophagy and innate immunity. Recruits ATG5-ATG12 and NLRX1 at mitochondria and serves as a checkpoint of the RIGI-MAVS pathway. In turn, inhibits RLR-mediated type I interferon while promoting autophagy.

Cellular Location
Mitochondrion.

TUFM Blocking Peptide (N-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

TUFM Blocking Peptide (N-term) - Images

TUFM Blocking Peptide (N-term) - Background

This protein promotes the GTP-dependent binding of aminoacyl-tRNA to the A-site of ribosomes during protein biosynthesis.

TUFM Blocking Peptide (N-term) - References

Woriax V.L.,et al.Biochim. Biophys. Acta 1264:347-356(1995).
Wells J.,et al.FEBS Lett. 358:119-125(1995).
Ling M.,et al.Gene 197:325-336(1997).
Martin J.,et al.Nature 432:988-994(2004).
Dunn M.J.,et al.Submitted (MAR-1996) to UniProtKB.