

Recombinant Full Length Human MTRF1L Protein, GST-tagged

Cat. No. MTRF1L-6561HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MTRF1L full-length ORF (AAH14428.1, 1 a.a. - 271 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	271 amino acids
Description	The protein encoded by this gene plays a role in mitochondrial translation termination, and is thought to be a release factor that is involved in the dissociation of the complete protein from the final tRNA, the ribosome, and the cognate mRNA. This protein acts upon UAA and UAG stop codons, but has no in vitro activity against UGA, which encodes tryptophan in human mitochondrion, or, the mitochondrial non-cognate stop codons, AGA and AGG. This protein shares sequence similarity to bacterial release factors. Pseudogenes of this gene are found on chromosomes 4, 8, and 11. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]
Molecular Mass	57.2 kDa
AA Sequence	MRSRVLWGAARWLWPRRAVGPARRPLSSGSPPLEELFTRGGPLRTFLERQAGSEA HLKVRRPELLAVIKLLNEKERELRETEHLLHDENEDLRKLAENEITLCQKEITQLKHQII LLLVPSEETDENDLILEVTAGVGGQEAMLFTSEIFDMYQQYAAFKRWHFETLEYFPS ELGGLRHASASIGGSEAYRHMKFEGGVHRVQRPVKTEKQGRVHTSTMTVAILPQPT

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EINLVINPKDLRIDTKRASGAGGQHVNTTDSAVRIVHLPTDWK

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. 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

[MTRF1L mitochondrial translational release factor 1-like \[Homo sapiens \]](#)

Official Symbol

[MTRF1L](#)

Synonyms

MTRF1L; mitochondrial translational release factor 1-like; peptide chain release factor 1-like, mitochondrial; mitochondrial release factor 1 like; MRF1L; HMRF1L; mtRF1a; MGC102748;

Gene ID

[54516](#)

mRNA Refseq

[NM_001114184](#)

Protein Refseq

[NP_001107656](#)

MIM

[613542](#)

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UniProt ID

Q9UGC7

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