

Recombinant Human MTRF1L Protein, GST-tagged

Cat. No. MTRF1L-5734H **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	Wheat Germ
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	MRSRVLWGAARWLWPRRAVGPARPLSSGSPPLEELFTRGGPLRTFLERQAGSEA HLKVRRPELLAVIKLLNEKERELRETEHLLHDENEDLRKLAENEITLCQKEITQLKHQII LLLVPSEETDENDLILEVTAGVGGQEAMLFITSEIFDMYQQYAAFKRWHFETLEYFPS ELGGLRHASASIGGSEAYRHMKEGQVHRVQRPKTEKQGRVHTSTMTVAILPQPT EINLVINPKDLRIDTKRASGAGGQHVNTTDSAVRIVHLPTDWK

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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.

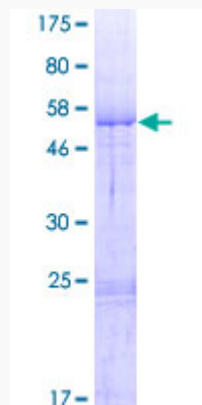
GENE INFORMATION

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
UniProt ID	Q9UGC7

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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