

Recombinant Human mitochondrial ribosome recycling factor, His-tagged

Cat. No. MRRF-387H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MRRF, 56-262aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	56-262 a.a.
Description	MRRF binds to the large ribosomal subunit in the cleft that contains the peptidyl transferase center. This protein is responsible for the release of ribosome from messenger RNA at the termination of protein biosynthesis. Also, it may increase the efficiency of translation by recycling ribosome from one round of translation to another. Recombinant human MRRF protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 2mM DTT
Molecular Mass	25.1 kDa (228aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHH SSGLVPRGSH MATKKAKAKG KGQSQTRVNI NAALVEDIIN LEEVNEEMKS VIEALKDNFN KTLNIRTSPG SLDKIAVVTA DGKLALNQIS QISMKSPQLI LVNMA SFPEC TAAAIKAI RE SGMNLNPEVE GTLIRVPI PQ VTREHREMLV KLAQKQNTNKA KD SLRKVRTN SMNKLK KSKD TVSEDTIRLI

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EKQISQMADD TVAELDRHLA VKTKELLG

Purity >95% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [MRRF mitochondrial ribosome recycling factor \[Homo sapiens \]](#)

Official Symbol MRRF

Synonyms MRRF; mitochondrial ribosome recycling factor; ribosome-recycling factor, mitochondrial; RRF; ribosome-releasing factor, mitochondrial; MRFF; MTRRF;

Gene ID [92399](#)

mRNA Refseq [NM_001173512](#)

Protein Refseq [NP_001166983](#)

MIM [604602](#)

UniProt ID [Q96E11](#)

Chromosome Location 9q32-q34.1

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