

**MRRF, 56-262aa, Human, His tag, E.coli**

**Cat.NO.: TP03030**

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3th Edition

**Synonyms:**Ribosome-recycling factor, mitochondrial isoform 1, MRFF, MTRRF, RRF

**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 Weight:**25.1 kDa (228aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMATKKAKAKGKGQSQTRVNINAALVEDIINLEEVNEEMKSVIEALKDNFNKTLNIRT  
SPGSLDKIAVVTADGKLALNQISQISMKSPQLILVNMAFPECTAAAIKAIRESGMNLNPEVEGTLIRVPIPVQVTRHR  
EMLVKLAKQNTNKAKDSLRLKVRTNSMNKLLKSKDVTSEDITRLIEKQISQMADDTVAELDRHLAVKTKELLG

**Purity:**> 95% by HPLC

**Concentration:**0.5mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

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