

Recombinant human MRRF protein

Catalog Number: ATGP1826

PRODUCT INFORMATION

Expression system

E.coli

Domain

56-262aa

UniProt No.

Q96E11

NCBI Accession No.

NP_620132

Alternative Names

Ribosome-recycling factor mitochondrial isoform 1, Ribosome-recycling factor, mitochondrial isoform 1, MRFF, MTRRF, RRF

PRODUCT SPECIFICATION

Molecular Weight

25.1 kDa (228aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 30% glycerol, 2mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

<MGSSHHHHH SSGLVPRGSH M>ATKKAKAKG KGQSQTRVNI NAALVEDIIN LEEVNEEMKS VIEALKDNFN KTLNIRTSPG
SLDKIAVVTA DGKLALNQIS QISMKSPQLI LVNMAFPEC TAAAIKAIRES SGMNLNPEVE GTLIRVPIQ VTRHREMLV
KLAKQNTNKA KDSLRLKVRTN SMNKLKSKD TVSEDTIRLI EKQISQMADD TVAELDRHLA VKTKELG

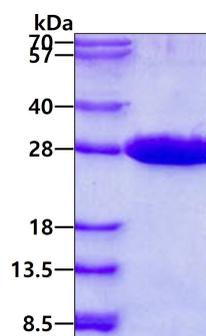
General References

Hirokawa G., et al. (2008) Nucleic Acids Res. 36(21):6676-87

Pai RD., et al. (2008) J Mol Biol. 376(5):1334-47.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.