

MRRF Human

Description: MRRF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 228 amino acids (56-262 a.a.) and having a molecular mass of 25.1kDa. MRRF is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1306

For research use only.

Synonyms: MRFF, MTRRF, RRF, Ribosome-recycling factor, mitochondrial, Ribosome-releasing factor, mitochondrial.

Source: Escherichia Coli.

Physical Appearance: Sterile Filtered clear solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MATKKAKAKG KGQSQTRVNI
NAALVEDIIN LEEVNEEMKS VIEALKDNFN KTLNIRTSPG SLDKIAVVTA DGKLALNQIS
QISMKSPQLI LVNMAFPEC TAAAIKAIRES SGMNLNPEVE GTLIRVPIQ VTRHREMLV
KLAKQNTNKA KDSLRLKVRTN SMNKLKSKD TVSEDTIRLI EKQISQMADD TVAELDRHLA
VKTKELLG.

Purity: Greater than 95.0% as determined by SDS-PAGE.

Formulation:

MRRF protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer, (pH 8.0), 0.2M NaCl, 30% glycerol and 2mM DTT.

Stability:

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

Mitochondrial Ribosome Recycling Factor (MRRF) is a member of the RRF family. MRRF attaches to the large ribosomal subunit in the cleft which has a peptidyl transferase center. MRRF controls the release of ribosome from messenger RNA at the termination of protein biosynthesis. Also, it may intensify the efficacy of translation by recycling ribosome from one round of translation to another.

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