

RANGRF Human

Description: RANGRF Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 210 amino acids (1-186 a.a) and having a molecular mass of 23kDa. RANGRF is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Catalog #: PRPS-1156

For research use only.

Synonyms: Ran guanine nucleotide release factor, RanGNRF, Ran-binding protein MOG1, RANGRF, MOG1, HSPC165, HSPC236, MDS5.

Source: Escherichia Coli.

Physical Appearance: Sterile filtered colorless solution.

Amino Acid Sequence: MGSSHHHHHH SSGLVPRGSH MGSHMEPTRD CPLFGGAFSA
ILPMGAIDVS DLRPVPDQNE VFCHPVTQDS LIVELLELQA HVRGEAAARY HFEDVGGVQG
ARAVHVESVQ PLSLENLALR GRCQEAWSLS GKQQAIAKENQ QVAKDVTLLHQ ALLRLPQYQT
DLLLTFNQPP PDNRSSLGPE NLSPAPWSLG DFEQLVTSLS LHDPNIFGPQ.

Purity: Greater than 90% as determined by SDS-PAGE.

Formulation:

RANGRF protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.15M NaCl and 1mM 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:

NeoBiolabs 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:

RANGRF is a protein which acts as a guanine nucleotide release factor in mouse and regulates the expression and function of the Nav1.5 cardiac sodium channel in human. RANGRF also controls the intracellular trafficking of RAN. In cardiac cells, the RANGRF appears to regulate the cell surface localization of SCN5A.

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