

Recombinant human RANGRF protein

Catalog Number: ATGP1620

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-186aa

UniProt No.

Q9HD47

NCBI Accession No.

NP_057576

Alternative Names

RAN guanine nucleotide release factor, HSPC165, HSPC236, MOG1, RANGNRF

PRODUCT SPECIFICATION

Molecular Weight

23 kDa (210aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.15M NaCl, 1mM DTT

Purity

> 90% 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

RANGRF is a protein that has been shown to function as a guanine nucleotide release factor in mouse and to regulate the expression and function of the Nav1. 5 cardiac sodium channel in human. Alternative splicing results in multiple transcript variants. Recombinant human RANGRF protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGSH>MEPTRD CPLFGGAFFSA ILPMGAIDVS DLRPVPDNQE VFCHPVTQDS

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LIVELLELQA HVRGEAAARY HFEDVGGVQG ARAVHVESVQ PLSLENLALR GRCQEAWVLS GKQQIAKENQ QVAKDVTLHQ
ALLRLPQYQT DLLLTFNQPP PDNRSSLGPE NLSPAPWSLG DFEQLVTSLT LHDPNIFGPQ

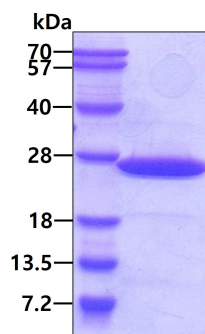
General References

Olesen, M.S., et al. (2011) Can J Cardiol 27 (4), 523

Kattygnarath, D., et al. (2011) Circ Cardiovasc Genet 4 (3), 261-268.

DATA

SDS-PAGE



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