

Recombinant Human RAN Guanine Nucleotide Release Factor, His-tagged

Cat. No. RANGRF-6941H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RANGRF protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	1-186aa
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.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl, 1mM DTT.
Molecular Mass	23.0 kDa (210aa), confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMEPTRD CPLFGGAFSA ILPMGAIDVS DLRPVPDNQE VFCHPVTQDS LIVELLEQA HVRGEAAARY HFEDVGGVQG ARAVHVESVQ PLSLENLALR GRCQEAWSLS GKQQIAKENQ QVAKDVTLHQ ALLRLPQYQT DLLLTFTNQP PDNRSSLGPE NLSPAPWSLG DFEQLVTSLT LHDPNIFGPQ

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Purity	>90% by SDS - PAGE
Applications	SDS-PAGE
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.
Concentration	1 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	RANGRF RAN guanine nucleotide release factor [Homo sapiens]
Official Symbol	RANGRF
Synonyms	RANGRF; RAN guanine nucleotide release factor; ran guanine nucleotide release factor; HSPC165; HSPC236; MOG1; MOG1 homolog (S. cerevisiae); RANGNRF; MOG1 homolog; ran-binding protein MOG1; MGC110973; DKFZp686F02139;
Gene ID	29098
mRNA Refseq	NM_001177801
Protein Refseq	NP_001171272
MIM	607954
UniProt ID	Q9HD47
Chromosome Location	17p13

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Function

guanyl-nucleotide exchange factor activity;

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