

**RANGRF, 1-186 aa, Human, His tag, E.coli**

**Cat.NO.: TP03672**

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3th Edition

**Synonyms:**RAN guanine nucleotide release factor, HSPC165, HSPC236, MOG1, RANGNRF.

**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.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.15M NaCl,1mM DTT

**Molecular Weight:**23.0kDa (210aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMEPTRDCPLFGGAFSAILPMGAIDVSDLRPVPDNQEVFCHPVTDQSLIVEL  
LELQAHVRGEAAARYHFEDVGGVQGARAVHVESVQPLSLENLALRGRCQEAWVLSGKQQIAKENQQVAKDVTLLH  
QALLRLPQYQTDLLLTFNQPPPDNRSSLGPENLSPAPWSLGDQFEQLVTSLLHDPNIFGPQ

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**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.