

## 32-4600: Recombinant Human RAN Guanine Nucleotide Release Factor

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

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 20 µg  
**Purification :** Greater than 90% as determined by SDS-PAGE.  
**Content :** RANGRF protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol, 0.15M NaCl and 1mM DTT.  
**Storage condition :** 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.  
**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSHEPTRD CPLFGGAFSA ILPMGAIDVS DLRPVPDNQE  
VFCHPVTQDS LIVELLELQA HVRGEAAARY HFEDVGGVQG ARAVHVESVQ PLSLENLALR GRCQEAWVLS  
GKQQIAKENQ QVAKDVTLHQ ALLRLPQYQT DILLTFNQPP PDNRSSLGPE NLSAPWSLG DFEQLVTSLT  
LHDPNIFGPQ.