9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RANGRF Human

RAN Guanine Nucleotide Release Factor Human Recombinant
RCP1806

Product Overview

Name	RANGRF Human
Description	
RAN Guanine Nucleotide Release Factor Human Recombinant	
Accession (Primary)	Q9HD47
Synonyms	
Ran guanine nucleotide release factor, RanGNRF, Ran-binding protein MOG1, RANGRF, MOG1, HSPC165, HSPC236, MDS5.	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
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.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSH MEPTRD CPLFGGAFSA ILPMGAIDVS DLRPVPDNQE VFCHPVTDQS LIVELLELQA HVRGEAAARY HFEDVGGVQG ARAVHVESVQ PLSLENLALR GRCQEAWVLS GKQQIAKENQ QVAKDVTLHQ ALLRLPQYQT DLLLTFNQPP PDNRSSLGPE NLSPAPWSLG DFEQLVTSLT LHDPNIFGPQ.	
Precautions	

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RANGRF Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (Q9HD47)