

Recombinant Mouse Rangrf Protein, Myc/DDK-tagged

Cat. No. Rangrf-5371M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAN guanine nucleotide release factor (Rangrf), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	May regulate the intracellular trafficking of RAN. Promotes guanine nucleotide release from RAN and inhibits binding of new GTP by preventing the binding of the RAN guanine nucleotide exchange factor RCC1. Regulates the levels of GTP-bound RAN in the nucleus, and thereby plays a role in the regulation of RAN-dependent mitotic spindle dynamics. Enhances the expression of SCN5A at the cell membrane in cardiomyocytes.
Molecular Mass	20.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Rangrf RAN guanine nucleotide release factor [*Mus musculus* (house mouse)]

Official Symbol Rangrf

Synonyms RANGRF; RAN guanine nucleotide release factor; ran guanine nucleotide release factor; ran-binding protein MOG1; Mog1; Rangnrf; 2400006H24Rik; RP23-396M19.8; MGC107268

Gene ID 57785

mRNA Refseq NM_021329

Protein Refseq NP_067304

UniProt ID Q9JIB0

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