

Recombinant Mouse Rangap1 Protein, Myc/DDK-tagged

Cat. No. Rangap1-5370M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RAN GTPase activating protein 1 (Rangap1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	GTPase activator for RAN. Converts cytoplasmic GTP-bound RAN to GDP-bound RAN, which is essential for RAN-mediated nuclear import and export. Mediates dissociation of cargo from nuclear export complexes containing XPO1, RAN and RANBP2 after nuclear export. Required for postimplantation embryonic development.
Molecular Mass	63.5 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GENE INFORMATION

Gene Name	Rangap1 RAN GTPase activating protein 1 [Mus musculus (house mouse)]
Official Symbol	Rangap1
Synonyms	RANGAP1; RAN GTPase activating protein 1; ran GTPase-activating protein 1; Fug1; C79654; mKIAA1835
Gene ID	19387
mRNA Refseq	NM_011241
Protein Refseq	NP_035371
UniProt ID	P46061

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