

Recombinant Mouse Ralb Protein, Myc/DDK-tagged

Cat. No. Ralb-5358M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length v-ral simian leukemia viral oncogene B (Ralb), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Multifunctional GTPase involved in a variety of cellular processes including gene expression, cell migration, cell proliferation, oncogenic transformation and membrane trafficking. Accomplishes its multiple functions by interacting with distinct downstream effectors. Acts as a GTP sensor for GTP-dependent exocytosis of dense core vesicles. Required both to stabilize the assembly of the exocyst complex and to localize functional exocyst complexes to the leading edge of migrating cells. Required for suppression of apoptosis. In late stages of cytokinesis, upon completion of the bridge formation between dividing cells, mediates exocyst recruitment to the midbody to drive abscission.
Molecular Mass	23.3 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.

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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.
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GENE INFORMATION

Gene Name	Ralb v-ral simian leukemia viral oncogene B [Mus musculus (house mouse)]
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Official Symbol	Ralb
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Synonyms	RALB; v-ral simian leukemia viral oncogene homolog B (ras related); ras-related protein Ral-B; 5730472O18Rik
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Gene ID	64143
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mRNA Refseq	NM_022327
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Protein Refseq	NP_071722
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UniProt ID	Q9JIW9
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