Recombinant Mouse Rala Protein, Myc/DDK-tagged

Cat. No. Rala-5357M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length v-ral simian leukemia viral oncogene A (ras related) (Rala), 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. Key regulator of LPAR1 signaling and competes with GRK2 for binding to LPAR1 thus affecting the signaling properties of the receptor. Required for anchorage-independent proliferation of transformed cells. The RALA-exocyst complex regulates integrin-dependent membrane raft exocytosis and growth signaling. During mitosis, supports the stabilization and elongation of the intracellular bridge between dividing cells. Cooperates with EXOC2 to recruit other components of the exocyst to the early midbody.
Molecular Mass	23.6 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.

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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.

GENE INFORMATION

Gene Name	Rala v-ral simian leukemia viral oncogene A (ras related) [Mus musculus (house mouse)]
Official Symbol	Rala
Synonyms	RALA; v-ral simian leukemia viral oncogene homolog A (ras related); ras-related protein Ral-A; ral-A protein; RAS-like, family 1; Ral; Rasl1; AW322615; 3010001O15Rik
Gene ID	56044
mRNA Refseq	NM_019491
Protein Refseq	NP_062364
UniProt ID	P63321

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