

Recombinant Mouse Rragc Protein, Myc/DDK-tagged

Cat. No. Rragc-5621M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Ras-related GTP binding C (Rragc), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Guanine nucleotide-binding protein that plays a crucial role in the cellular response to amino acid availability through regulation of the mTORC1 signaling cascade. Forms heterodimeric Rag complexes with Rraga or Rragb and cycles between an inactive GTP-bound and an active GDP-bound form. In its active form participates in the relocalization of mTORC1 to the lysosomes and its subsequent activation by the GTPase Rheb. This is a crucial step in the activation of the TOR signaling cascade by amino acids.
Molecular Mass	44.1 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 Rragc Ras-related GTP binding C [Mus musculus (house mouse)]

Official Symbol Rragc

Synonyms RRAGC; Ras-related GTP binding C; ras-related GTP-binding protein C; rag C; small GTPase homolog; small GTPase, homolog; GTPase-interacting protein 2; Gtr2; RAGC; TIB929; YGR163W; AU041672; MGC47404

Gene ID 54170

mRNA Refseq NM_017475

Protein Refseq NP_059503

UniProt ID Q99K70

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