

Recombinant Mouse Rraga Protein, Myc/DDK-tagged

Cat. No. Rraga-5619M Lot. No. (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Ras-related GTP binding A (Rraga), 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 RRAGC or RRAGD and cycles between an inactive GDP-bound and an active GTP-bound form. In its active form participates in the relocalization of mTORC1 to the lysosomes and its subsequent activation by the GTPase RHEB. Involved in the RCC1/Ran-GTPase pathway. May play a direct role in a TNF-alpha signaling pathway leading to induction of cell death.
Molecular Mass	36.6 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.
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 Rraga Ras-related GTP binding A [*Mus musculus* (house mouse)]

Official Symbol Rraga

Synonyms Rraga; Ras-related GTP binding A; FIP; RAGA; FIP-1; AI255374; 1300010C19Rik; ras-related GTP-binding protein A; rag A

Gene ID 68441

mRNA Refseq NM_178376

Protein Refseq NP_848463

UniProt ID Q80X95

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