

Recombinant Mouse Ric8a Protein, MYC/DDK-tagged

Cat. No. Ric8a-183M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse RIC8 guanine nucleotide exchange factor A (Ric8a), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Guanine nucleotide exchange factor (GEF), which can activate some, but not all, G-alpha proteins. Able to activate GNAI1, GNAO1 and GNAQ, but not GNAS by exchanging bound GDP for free GTP. Involved in regulation of microtubule pulling forces during mitotic movement of chromosomes by stimulating G(i)-alpha protein, possibly leading to release G(i)-alpha-GTP and NuMA proteins from the NuMA-GPSM2-G(i)-alpha-GDP complex. Also acts as an activator for G(q)-alpha (GNAQ) protein by enhancing the G(q)-coupled receptor-mediated ERK activation.
Molecular Mass	59.8 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 ug/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 Ric8a RIC8 guanine nucleotide exchange factor A [Mus musculus (house mouse)]

Official Symbol Ric8a

Synonyms Ric8a; RIC8 guanine nucleotide exchange factor A; Ric8; RIC-8; AI114950; synembryn-A; resistance to inhibitors of cholinesterase 8 homolog; synembryn

Gene ID 101489

mRNA Refseq NM_053194

Protein Refseq NP_444424

UniProt ID Q3TIR3

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