

Recombinant Mouse Rufy3 Protein, Myc/DDK-tagged

Cat. No. Rufy3-5648M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length RUN and FYVE domain containing 3 (Rufy3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays a role in the generation of neuronal polarity formation and axon growth. Implicated in the formation of a single axon by developing neurons. May inhibit the formation of additional axons by inhibition of PI3K in minor neuronal processes. Plays a role in the formation of F-actin-enriched protrusive structures at the cell periphery. Plays a role in cytoskeletal organization by regulating the subcellular localization of FSCN1 and DBN1 at axonal growth cones. Promotes gastric cancer cell migration and invasion in a PAK1-dependent manner.
Molecular Mass	53.5 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 Rufy3 RUN and FYVE domain containing 3 [Mus musculus (house mouse)]

Official Symbol Rufy3

Synonyms RUFY3; RUN and FYVE domain containing 3; protein RUFY3; singar; rap2 interacting protein x; rap2-interacting protein x; single axon-regulated protein; Ripx; Rpipx; AW455998; AW538594; mKIAA0871; D5Bwg0860e; 2810428M05Rik; 6330416M07Rik

Gene ID 52822

mRNA Refseq NM_027530

Protein Refseq NP_081806

UniProt ID Q9D394

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