

## Recombinant Mouse Rufy3 Protein, Myc/DDK-tagged

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

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length RUN and FYVE domain containing 3 (Rufy3), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	53.5 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>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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