

## Recombinant Mouse Rilpl1 Protein, Myc/DDK-tagged

**Cat. No.** Rilpl1-5513M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length Rab interacting lysosomal protein-like 1 (Rilpl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Neuroprotective protein, which acts by sequestering GAPDH in the cytosol and prevent the apoptotic function of GAPDH in the nucleus. Competes with SIAH1 for binding GAPDH. Does not regulate lysosomal morphology and distribution. Plays a role in the regulation of cell shape and polarity. Plays a role in cellular protein transport, including protein transport away from primary cilia. Binds to RAB10 following LRRK2-mediated RAB10 phosphorylation which leads to inhibition of ciliogenesis.
<b>Molecular Mass</b>	47.3 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** Rilpl1 Rab interacting lysosomal protein-like 1 [ *Mus musculus* (house mouse) ]

**Official Symbol** Rilpl1

**Synonyms** RILPL1; Rab interacting lysosomal protein-like 1; RILP-like protein 1; rab-interacting lysosomal-like protein 1; GOSPEL; 2900002H16Rik; 6330559I19Rik; FLJ39378

**Gene ID** 75695

**mRNA Refseq** NM\_021430

**Protein Refseq** NP\_067405

**UniProt ID** Q9JJC6

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