

Recombinant Mouse Rilpl1 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length Rab interacting lysosomal protein-like 1 (Rilpl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	47.3 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	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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