

Recombinant Mouse Rp2 Protein, Myc/DDK-tagged

Cat. No. Rp2-5577M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length retinitis pigmentosa 2 homolog (Rp2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Acts as a GTPase-activating protein (GAP) involved in trafficking between the Golgi and the ciliary membrane. Involved in localization of proteins, such as NPHP3, to the cilium membrane by inducing hydrolysis of GTP ARL3, leading to the release of UNC119 (or UNC119B). Acts as a GTPase-activating protein (GAP) for tubulin in concert with tubulin-specific chaperone C, but does not enhance tubulin heterodimerization. Acts as guanine nucleotide dissociation inhibitor towards ADP-ribosylation factor-like proteins.
Molecular Mass	39.8 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 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	Rp2 retinitis pigmentosa 2 homolog [<i>Mus musculus</i> (house mouse)]
Official Symbol	Rp2
Synonyms	Rp2; retinitis pigmentosa 2 homolog; Rp; Rp2h; AI662636; protein XRP2
Gene ID	19889
mRNA Refseq	NM_133669
Protein Refseq	NP_598430
UniProt ID	Q9EPK2

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