

Recombinant Mouse Fig4 Protein, MYC/DDK-tagged

Cat. No. Fig4-226M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse FIG4 phosphoinositide 5-phosphatase (Fig4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The PI(3,5)P2 regulatory complex regulates both the synthesis and turnover of phosphatidylinositol 3,5-bisphosphate (PtdIns(3,5)P2). In vitro, hydrolyzes all three D5-phosphorylated polyphosphoinositide substrates in the order PtdIns(4,5)P2 > PtdIns(3,5)P2 > PtdIns(3,4,5)P3. Plays a role in the biogenesis of endosome carrier vesicles (ECV) / multivesicular bodies (MVB) transport intermediates from early endosomes.
Molecular Mass	103.4 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 ug/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 Fig4 FIG4 phosphoinositide 5-phosphatase [*Mus musculus* (house mouse)]

Official Symbol Fig4

Synonyms Fig4; FIG4 phosphoinositide 5-phosphatase; Sac3; AI326867; A530089I17Rik; polyphosphoinositide phosphatase; FIG4 homolog; SAC domain-containing protein 3; Sac domain-containing inositol phosphatase 3; phosphatidylinositol 3,5-bisphosphate 5-phosphatase

Gene ID 103199

mRNA Refseq NM_133999

Protein Refseq NP_598760

UniProt ID Q91WF7

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