

Recombinant Mouse Sacm1l Protein, Myc/DDK-tagged

Cat. No. Sacm1l-5677M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length SAC1 suppressor of actin mutations 1-like (yeast) (Sacm1l), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes an integral membrane protein, which is localized to the endoplasmic reticulum, and functions as a phosphoinositide phosphatase that hydrolyzes phosphatidylinositol 3-phosphate, phosphatidylinositol 4-phosphate, and phosphatidylinositol 3,5-bisphosphate. Deletion of this gene in mouse results in preimplantation lethality. Other studies suggest that this gene is also involved in the organization of golgi membranes and mitotic spindles. Two isoforms are predicted to be produced from the same mRNA by the use of alternative in-frame translation termination codons via a stop codon readthrough mechanism.
Molecular Mass	67.4 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.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Sacm1l](#) SAC1 suppressor of actin mutations 1-like (yeast) [*Mus musculus* (house mouse)]

Official Symbol [Sacm1l](#)

Synonyms SACM1L; SAC1 (suppressor of actin mutations 1, homolog)-like (*S. cerevisiae*); phosphatidylinositide phosphatase SAC1; polyphosphatidylinositol phosphatase; suppressor of actin mutations 1-like protein; SAC1; Sac1p; mKIAA0851

Gene ID [83493](#)

mRNA Refseq [NM_030692](#)

Protein Refseq [NP_109617](#)

UniProt ID [Q9EP69](#)

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