

Product Information

MemDX™ Membrane Protein Mouse Sacm1l (SAC1 suppressor of actin mutations 1-like (yeast)) Expressed *in vitro* E.coli expression system, Full Length

Cat. No.: **MPX1943K**

This product is for research use only and is not intended for diagnostic use.

This product is a Mouse Sacm1l membrane protein expressed *in vitro* E.coli expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Mouse

Target Protein

Sacm1l

Protein Length

Full Length

Protein Class

Receptor

TMD

2

Sequence

MAAAAYEHLKLHITPEKFYVEACDDGADDVLIIDRVSTEVTLAVKKDVPPEAVTRPIFGILGTIHLVAGNYLVVITKKMKVGEFCNHAV

Product Description

Expression Systems

in vitro E.coli expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

Sacm1l

Full Name

SAC1 suppressor of actin mutations 1-like (yeast)

Introduction

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.

Alternative Names

Sacm1l; SA; SAC1; Sac1p; mKIAA0851; phosphatidylinositol-3-phosphatase SAC1; phosphatidylinositide phosphatase SAC1; phosphatidylinositol-4-phosphate phosphatase; polyphosphatidylinositol phosphatase; suppressor of actin mutations 1-like protein; SAC1 suppressor of actin mutations 1-like (yeast)

Gene ID

[83493](#)

UniProt ID

[Q9EP69](#)