Datasheet for ABIN7561374
SACM1L Protein (AA 1-587) (His tag)

Overview

Quantity:	1 mg
Target:	SACM1L
Protein Characteristics:	AA 1-587
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SACM1L protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Sacm1l Protein expressed in mammalien cells.
Sequence:	MAAAAYEHLK LHITPEKFYV EACDDGADDV LIIDRVSTEV TLAVKKDVPP SAVTRPIFGI LGTIHLVAGN YLVVITKKMK VGECFNHAVW RATDFDVLSY KKTMLHLTDI QLQDNKTFLA MLNHVLSMDG FYFSTTYDLT HTLQRLSNTS PEFQEMSLLE RADQRFVWNG HLLRELSAQP EVHRFALPVL HGFITMHSCS INGKYFDWIL ISRRSCFRAG VRYYVRGIDS EGHAANFVET EQIVHYSGNR ASFVQTRGSI PIFWSQRPNL KYKPHPQISK VANHMDGFQR HFDSQVIIYG KQVIINLVNH KGSEKPLEQT FANMVSSLGS GMIRYIAFDF HKECKNMRWD RLSILLDQVA EMQDELSYFL VDSAGKVVTN QDGVFRSNCM DCLDRTNVIQ SLLARRSLQA QLQRLGVLHV GQKLEEQDEF EKTYKNAWAD NANACAKQYA GTGALKTDFT RTGKRTQLGL LMDGFNSLLR YYKNNFSDGF RQDSIDLFLG NYSVDELESH SPLSVPRDWK FLALPIIMVV AFSMCIICLL MAGDTWTETL AYVLFWGVAS IGTFFIILYN GKDFVDAPRL VQKEKID **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different**

Product Details

complexity of the protein could make another tag necessary. In case you have a special request, please contact us.

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	SACM1L
Alternative Name:	Sacm1l (SACM1L Products)
Background:	Phosphatidylinositol-3-phosphatase SAC1 (EC 3.1.3.64) (Phosphatidylinositol-4-phosphate phosphatase) (Suppressor of actin mutations 1-like protein),FUNCTION: Phosphoinositide phosphatase which catalyzes the hydrolysis of phosphatidylinositol 4-phosphate (PtdIns(4)P), phosphatidylinositol 3-phosphate (PtdIns(3)P) and has low activity towards phosphatidylinositol-3,5-bisphosphate (PtdIns(3,5)P2) (PubMed:32931550). Shows a very robust PtdIns(4)P phosphatase activity when it binds PtdIns(4)P in a 'cis' configuration in the cellular environment, with much less activity seen when it binds PtdIns(4)P in 'trans' configuration (By similarity). PtdIns(4)P phosphatase activity (when it binds PtdIns(4)P in 'trans' configuration) is enhanced in the presence of PLEKHA3 (By similarity). {ECO:0000250|UniProtKB:Q9ES21, ECO:0000250|UniProtKB:Q9NTJ5, ECO:0000269|PubMed:32931550}.

Target Details

Molecular Weight:	66.9 kDa
UniProt:	Q9EP69
Pathways:	Inositol Metabolic Process

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months