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Product datasheet for PH301684

SACM1L (NM_014016) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	SACM1L MS Standard C13 and N15-labeled recombinant protein (NP_054735)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201684
Predicted MW:	66.8 kDa
Protein Sequence:	>RC201684 representing NM_014016 Red=Cloning site Green=Tags(s) MATAAYEQLKLHITPEKFYVEACDDGADDVLTIDRVSTEVTLAVKKDVPPSAVTRPIFGILGTIHLVAGN YLIVITKKIKVGEFFSHVVWKATDFDVLSYKKTMLHLTDIQLQDNKTFLAMLNHVLNVDGFYFSTTYDLT HTLQRLSNTSPEFQEMSLLERADQRFVWNGHLLRELSAQPEVHRFALPVLHGFITMHSCSINGKYFDWIL ISRRSCFRAGVRYYVRGIDSEGHAANFVETEQIVHYNGSKASFVQTRGSIPVFWSQRPNLKYKPLPQISK VANHMDGFQRHFDSQVIIYGKQVIINLINQKGSEKPLEQTFATMVSSLGSGMMRYIAFDFHKECKNMRWD RLSILLDQVAEMQDELSYFLVDSAGQVVANQEGVFRSNCMDCLDRTNVIQSLLARRSLQAQLQRLGVLHV GQKLEEQDEFEKIFKNAWADNANACAKQYAGTGALKTDFTRTGKRTHLGLIMDGWNSMIRYYKNNFSDGF RQDSIDLFLGNYSVDELESHSPLSVPRDWKFLALPIIMVVAFSMCIICLLMAGDTWTETLAYVLFWGVAS IGTFFIILYNGKDFVDAPRLVQKEKID TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_054735
RefSeq Size:	3550
RefSeq ORF:	1761

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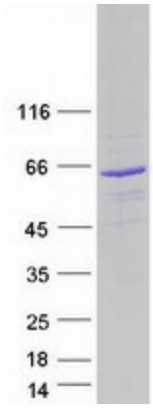
Synonyms:	SAC1
Locus ID:	22908
UniProt ID:	Q9NTJ5
Cytogenetics:	3p21.31
Summary:	This gene encodes an integral membrane protein, which is localized to the endoplasmic reticulum, and functions as a phosphoinositide phosphatase that hydrolyzes phosphatidylinositol 3-phosphate, phosphatidylinositol 4-phosphate, 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. Alternatively spliced transcript variants have been found for this gene. A C-terminally extended isoform is also predicted to be produced by the use of an alternative in-frame, downstream translation termination codon via a stop codon readthrough mechanism.[provided by RefSeq, Dec 2017]
Protein Families:	Druggable Genome, Transmembrane

Product images:



Coomassie blue staining of purified SACM1L protein (Cat# [TP301684]). The protein was produced from HEK293T cells transfected with SACM1L cDNA clone (Cat# [RC201684]) using MegaTran 2.0 (Cat# [TT210002]).