

Datasheet for ABIN7554872

**OSBPL5 Protein (AA 1-879) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	OSBPL5
Protein Characteristics:	AA 1-879
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OSBPL5 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant OSBPL5 Protein expressed in mammalian cells.
Sequence:	<p>MKEEAFLRRR FSLCPPSSTP QKVDPRKLTR NLLLSGDNEL YPLSPGKDME PNGPSLPRDE GPPTPSSATK VPPAEYRLCN GSDKECVSPT ARVTKKETLK AQKENYRQEK KRATRQLLSA LTDPSVIMA DSLKIRGTLK SWTKLWCVLK PGVLLIYKTP KVGQWVGTVL LHCCELIERP SKKDGFCFKL FHPLDQSVWA VKGPKGESVG SITQPLPSSY LIFRAASESD GRCWLDALEL ALRCSSLLRL GTCKPGRDGE PGTSPDASPS SLCGLPASAT VHPDQDLFPL NGSSLEND AF SDKSERENPE ESDTETQDHS RKTESGSDQS ETPGAPVRRG TTYVEQVQEE LGELGEASQV ETVSEENKSL MWTLLKQLRP GMDLSRVVLP TFVLEPRSFL NKLSDYHYHA DLLSRAAVEE DAYSRMKLV L RWYLSGFYKK PKGIKKPYNP ILGETFRCCW FHPQTDSRTF YIAEQVSHHP PVSAFHVSNR KDGFCISGSI TAKSRFYGNS LSALLDGKAT LTFLNRAEDY TLTMPYAHCK GILYGTMTLE LGGKVTIECA KNNFQAQLEF KLKPPFFGGST SINQISGKIT SGEEVLASLS GHWDRDVF I K EEGSGSSALF WTPSGEVRRQ RLRQHTVPLE EQTELESERL WQHVTRAI SK GDQHRATQEK FAL EEAQRQR ARERQESLMP WKPQLFHLDP ITQEWHYRYE DHSPWDPLKD</p>

## Product Details

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IAQFEQDGIL RTLQQEAVAR QTTFLGSPGP RHERSGPDQR LRKASDQPSG HSQATESSGS  
TPESCEPESD EEQDGDVFPV GESPCPRCRK EARRLQALHE AILSIREAQQ ELHRHLSAML  
SSTARAAQAP TPGLLQSPRS WFLLCVFLAC QLFINHILK **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

## Target Details

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Target: OSBPL5

Alternative Name: OSBPL5 ([OSBPL5 Products](#))

Background: Oxysterol-binding protein-related protein 5 (ORP-5) (OSBP-related protein 5) (Oxysterol-binding protein homolog 1),FUNCTION: Lipid transporter involved in lipid countertransport between the endoplasmic reticulum and the plasma membrane: specifically exchanges phosphatidylserine with phosphatidylinositol 4-phosphate (PI4P), delivering phosphatidylserine to the plasma membrane in exchange for PI4P, which is degraded by the SAC1/SACM1L phosphatase in the

## Target Details

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endoplasmic reticulum. Binds phosphatidylserine and PI4P in a mutually exclusive manner (PubMed:23934110, PubMed:26206935). May cooperate with NPC1 to mediate the exit of cholesterol from endosomes/lysosomes (PubMed:21220512). Binds 25-hydroxycholesterol and cholesterol (PubMed:17428193). {ECO:0000269|PubMed:17428193, ECO:0000269|PubMed:21220512, ECO:0000269|PubMed:23934110, ECO:0000269|PubMed:26206935}.

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Molecular Weight: 98.6 kDa

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UniProt: [Q9H0X9](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

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Restrictions: For Research Use only

## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months