

Datasheet for ABIN7554838  
**OSBPL3 Protein (AA 1-887) (His tag)**



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## Overview

Quantity:	1 mg
Target:	OSBPL3
Protein Characteristics:	AA 1-887
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OSBPL3 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant OSBPL3 Protein expressed in mammalian cells.
Sequence:	MMSDEKNLGV SQKLVSPSR S TSSCSSKQGS RQDSWEVVEG LRGEMNYTQE PPVQKGFLK KRKWPLKGWH KRFFYLDKGI LKYAKSQTDI EREKLGHCID VGLSVM SVKK SSKCIDLDTE EHIYHLKVKS EEVFDEWVSK LRHHRMYRQN EIAMPHEVN HFFSGSTITD SSSGVFDSIS SRKRSSISKQ NLFQTGSNVS FSCGGETRVP LWLQSSDME KCSKDLAHCH AYLVEMSQLL QSM DVLHRTY SAPAINAIQG GSFESPKKEK RSHRRWRSRA IGKDAKGT LQ VPKPFSGPVR LHSSNP NLST LDFGEEKNYS DGSET SSEFS KMQEDLCHIA HKVYFTLRSA FNIMSAEREK LKQLMEQDAS SSPSAQVIGL KNALSSALAQ NTDLKERLRR IHAESLL L DS PAVAKSGDNL AEENSRDENR ALVHQLSNES RLSITDSLSE FFDAQEV LLS PSSSENEISD DDSYVSDISD NLSLDNLSND LDNERQTLGP VLDSGREAKS RRRTCLPAPC PSSSNISLWN ILRNNIGKDL SKVAMPVELN EPLN TLQRLC EELEYS ELLD KAAQIPSPLE RMVYVA AFAI SAYASSYYRA GSKPFNPVLG ETYECIREDK GFQFFSEQVS HPPISACHA ESRNFVFWQD VRWKNKFWGK SMEIVPIGTT HVTLPVFGDH FEWNKVTSCI HNILSGQRWI EHYGEIVIKN LHDDSCYCKV

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NFIKAKYWST NAHEIEGTVF DRSGKAVHRL FGKWHESIYC GGGSSSACVW RANPMPKGYE  
QYYSFTQFAL ELNEMDPSSK SLLPPTDTRF RPDQRFLEEG NLEEAEIQKQ RIEQLQRERR  
RVLEENHVEH QPRFFRKSDS DSWVSNGLTYL ELRKDLGFSK LDHPVLW **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: OSBPL3

Alternative Name: OSBPL3 ([OSBPL3 Products](#))

Background: Oxysterol-binding protein-related protein 3 (ORP-3) (OSBP-related protein 3),FUNCTION: Phosphoinositide-binding protein which associates with both cell and endoplasmic reticulum (ER) membranes (PubMed:16143324). Can bind to the ER membrane protein VAPA and recruit VAPA to plasma membrane sites, thus linking these intracellular compartments (PubMed:25447204). The ORP3-VAPA complex stimulates RRAS signaling which in turn

## Target Details

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attenuates integrin beta-1 (ITGB1) activation at the cell surface (PubMed:18270267, PubMed:25447204). With VAPA, may regulate ER morphology (PubMed:16143324). Has a role in regulation of the actin cytoskeleton, cell polarity and cell adhesion (PubMed:18270267). Binds to phosphoinositides with preference for PI(3,4)P2 and PI(3,4,5)P3 (PubMed:16143324). Also binds 25-hydroxycholesterol and cholesterol (PubMed:17428193). {ECO:0000269|PubMed:16143324, ECO:0000269|PubMed:17428193, ECO:0000269|PubMed:18270267, ECO:0000269|PubMed:25447204}.

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Molecular Weight: 101.2 kDa

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UniProt: [Q9H4L5](#)

## 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