

Datasheet for ABIN7554816

Oligophrenin 1 Protein (OPHN1) (AA 1-802) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Oligophrenin 1 (OPHN1)
Protein Characteristics:	AA 1-802
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Oligophrenin 1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant OPHN1 Protein expressed in mammalian cells.
Sequence:	<p>MGHPPLEFSD CYLDSPDFRE RLKCYEQELE RTNKFIDVI KDGNALISAM RNYSSAVQKF</p> <p>SQTLQSFQFD FIGDTLTDDE INIAESFKEF AELLNEVENE RMMMVMHNASD LLIKPLENFR</p> <p>KEQIGFTKER KKKFEKDGER FYSLDRHLH LSSKKKESQL QEADLQVDKE RHNFFESSLD</p> <p>YVYQIQEVQE SKKFNIVEPV LAFLHSLFIS NSLTVELTQD FLPYKQQQL SLQNTRNHFS</p> <p>STREEMEELK KRMKEAPQTC KLPQGPTIEG YLYTQEKWAL GISWVKYYCQ YEKETKTLTM</p> <p>TPMEQKPGAK QGPLDLTLKY CVRRKTESID KRFCFDIETN ERPGTITLQA LSEANRRRLWM</p> <p>EAMDGKEPIY HSPITKQQEM ELNEVGFKFV RKCINIIETK GIKTEGLYRT VGSNIQVQKL</p> <p>LNAFFDPKCP GDVDFHNSDW DIKTITSSLK FYLRNLSEPV MTYRLHKELV SAAKSDNLDY</p> <p>RLGAIHSLVY KLPEKNREML ELLIRHLVNV CEHSKENLMT PSNMGVIFGP TLMRAQEDTV</p> <p>AAMMNIKFQN IVVEILIEHF GKIYLGPEE SAAPPVPPPR VTARRHKPIT ISKRLLRERT</p> <p>VFYTSSLDES EDEIQHQTNP GTITSSIEPP KPPQHPKLPI QRSGETDPGR KSPSRPILDG</p> <p>KLEPCPEVDV GKLVSRLQDG GTKITPKATN GPMPGSGPTK TPSFHIKRP A PRPLAHHKEG</p>

Product Details

DADSFASKVRP PGEKPTIIRP PVRPPDPPCR AATPQKPEPK PDIVAGNAGE ITSSVVASRT
RFFETASRKT GSSQGRLPGD ES **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

Target: Oligophrenin 1 (OPHN1)

Alternative Name: OPHN1 ([OPHN1 Products](#))

Background: Oligophrenin-1,FUNCTION: Stimulates GTP hydrolysis of members of the Rho family. Its action on RHOA activity and signaling is implicated in growth and stabilization of dendritic spines, and therefore in synaptic function. Critical for the stabilization of AMPA receptors at postsynaptic sites. Critical for the regulation of synaptic vesicle endocytosis at presynaptic terminals. Required for the localization of NR1D1 to dendrites, can suppress its repressor activity and protect it from proteasomal degradation (By similarity). {ECO:0000250}.

Target Details

Molecular Weight: 91.6 kDa

UniProt: [O60890](#)

Application Details

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.

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