

Datasheet for ABIN7561992
ODF2 Protein (AA 1-830) (His tag)



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Overview

Quantity:	1 mg
Target:	ODF2
Protein Characteristics:	AA 1-830
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ODF2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Odf2 Protein expressed in mammalian cells.
Sequence:	<p>MSASSSGGSP RFPSCGKNGV TSLTQKKVLR TPCGAPSVTV TKSHKRGMKG DTVNVRRSVR</p> <p>VKTKVPWMPP GKSSARHVC K WENPPHCLE ITPPSSEKLV SVMRLSDLST EDDDSGHCKM</p> <p>NRYDKKIDSL MNAVGCLKSE VKMQKGERQM AKRFLEERKE ELEEVAHELA ETEHENTVLR</p> <p>HNIERIKEEK DFTMLQKKHL QQEKECLMSK LVEAEMDGAA AAKQVMALKD TIGKLKTEKQ</p> <p>MTCTDINTLT RQKELLQKL STFEETNRTL RDLLREQHCK EDSERLMEQQ GTLLKRLAEA</p> <p>DSEKARLLLL LQDKDKEVEE LLQEIQCEKA QAKTASELSK SMESMRGHLQ AQLRCKEAEN</p> <p>SRLCMQIKNL ERSGNQHKAE VEAIMEQLKE LKQKGDRDKE TLKKAIRAQK ERAEKSEEYA</p> <p>EQLHVQLADK DLYVAEALST LESWRSRYNQ VVKDKGDLEL EIIVLNDRV T DLVNQQQSLE</p> <p>EKMREDRDSL VERLHRQTAE YSAFKELENER LKASFAPMED KLNQAHLEVQ QLKASVKNYE</p> <p>GMIDNYKSQV MKTRLEADEV AAQLERC DKE NKMLKDEM NK EIEAARRQFQ SQLADLQQLP</p> <p>DILKITEAKL AECQDQLQGY ERKNIDLT AI ISDLRSRIEH QGDKLEMARE KHQASQKENK</p> <p>QLSQKVDELE RKLEATSAQN VEFLQVIAKR EEAIHQALR LEEKTREC GS LARQLESAIE</p>

Product Details

DARRQVEQTK EQALSKERAA QSKILDLETQ LSRTKTELGG LRRTRDDADR RYQSRLQDLK
DRLEQSESTN RSMQNYVQFL KASYANVFGD APYTSSYLTS SPIRSRSPPA **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: ODF2

Alternative Name: Odf2 ([ODF2 Products](#))

Background: Outer dense fiber protein 2 (84 kDa outer dense fiber protein) (Cenexin) (Outer dense fiber of sperm tails protein 2),FUNCTION: Seems to be a major component of sperm tail outer dense fibers (ODF). ODFs are filamentous structures located on the outside of the axoneme in the midpiece and principal piece of the mammalian sperm tail and may help to maintain the passive elastic structures and elastic recoil of the sperm tail. May have a modulating influence on sperm motility. Functions as a general scaffold protein that is specifically localized at the

Target Details

	distal/subdistal appendages of mother centrioles. Component of the centrosome matrix required for the localization of PLK1 and NIN to the centrosomes. Required for the formation and/or maintenance of normal CETN1 assembly (By similarity). {ECO:0000250 UniProtKB:Q5BJF6, ECO:0000269 PubMed:15852003}.
Molecular Weight:	95.5 kDa
UniProt:	A3KGV1
Pathways:	M Phase

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