

Datasheet for ABIN7554807  
**ODF2 Protein (AA 1-829) (His tag)**



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## Overview

Quantity:	1 mg
Target:	ODF2
Protein Characteristics:	AA 1-829
Origin:	Human
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:	MSASSSGGSP RFPSCGKNGV TSLTQKKVLR APCGAPSVTV TKSHKRGMKG DTVNVRRSVR VKTKVPWMPP GKSSARVGC KWENPPHCLE ITPPSSEKLV SVMRLSDLST EDDDSGHCKM NRYDKKIDSL MNAVGCLKSE VKMQKGERQM AKRFLEERKE ELEEVARELA ETEHENTVLR HNIERMKEEK DFTILQKKHL QQEKECLMSK LVEAEMDGAA AAKQVMALKD TIGKLTKEKQ MTCTDINTLT RQKELLQKL STFEETNRTL RDLLREQHCK EDSERLMEQQ GALLKRLAEA DSEKARLLLL LQDKDKEVEE LLQEIQCEKA QAKTASELSK SMESMRGHLQ AQLRSKEAEN SRLCMQIKNL ERSGNQHKAE VEAIMEQLKE LKQKGD RDKE SLKKAIRAQK ERAEKSEEYA EQLHVQLADK DLYVAEALST LESWRSRYNQ VVKEKGDLEL EIIVLNDRVT DLVNQQQTLE EKMREDRDSL VERLHRQTAE YSAFKLENER LKASFAPMED KLNQAHLEVQ QLKASVKNYE GMIDNYKSQV MKTRLEADEV AAQLERC DKE NKILKDEM NK EIEAARRQFQ SQLADLQQLP DILKITEAKL AECQDQLQGY ERKNIDLTAI ISDLRSRIEH QGDKLEMARE KHQASQKENK QLSLKVDELE RKLEATSAQN IEFLOVIAKR EEAIHQSQLR LEEKTREC GT LARQLESAIE

## Product Details

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DARRQVEQTK EHALSKERAA QNKILDLETQ LSRTKTELSQ LRRSRDDADR RYQSRLQDLK  
DRLEQSESTN RSMQNYVQFL KSSYANVFGD GPYSTFLTSS PIRSRSPPA **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.**

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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.

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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.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: ODF2

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

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Background: Outer dense fiber protein 2 (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 distal/subdistal appendages of

## Target Details

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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. {ECO:0000269|PubMed:16966375}.

Molecular Weight: 95.4 kDa

UniProt: [Q5BJF6](#)

Pathways: [M Phase](#)

## 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.

Restrictions: For Research Use only

## Handling

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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