

Product datasheet for TP301985

ODF2 (NM_002540) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human outer dense fiber of sperm tails 2 (ODF2), transcript variant 1
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201985 representing NM_002540 Red=Cloning site Green=Tags(s)

MKGDVNVRRSVRVKTKNPPHCLEITPPSSEKLVSMRLSDLSTEDDDSGHCKMNRDYDKKIDSLMNAVGC
LKSEVKMQKGERQMAKRFLERKEELEVAHELAETEHENTVLRHNIERMKEEKDFTILQKKHLQQEKEC
LMSKLVAEEMDGAAAQVMALKDTIGLKLKTEKQMTCTDINTLTRQKELLQKLSTFEETNRTLRLDLLRE
QHCKEDSERLMEQQGALLKRLAEADSEKARLLLLLQDKDKEVEELLQEIQCEKAQAKTASELSKSMESMR
GHLQAQLRSKEAENSRLCMQIKNLSRGNQHKA EVEAIMEQLKELKQKGD RDKESLKKAIRAQKERA EKS
EEYAEQLHVQLADKDLVVAEALSTLESWRSRYNQVWKEKGDLELEIIVLNDRVTDLVNQQQTLEEKMRD
RDSLVERLHRQTAEYSAFKLENERLKASFAPMEDKLNQAHLEVQQLKASVKNYEGMIDNYKSQVMKTRLE
ADEVAAQLERC DKENKILKDEM NKEIEAARRQFQSQLADLQQLP DILKITEAKLAECQDQLQGYERKNID
LTAIISDLRSRIEHQGDKLEMAREKHQASQKENKQLSLKVD ELERKLEATS AQNIEFLQVI AKREEAIHQ
SQLRLEEK TRECGTLARQLES AIEDARRQVEQTKEHALSKERAAQNKILDLETQLSRTKTELSQLRRSRD
DADRRYQSRLQDLKDRLEQSESTNRSMQNYVQFLKSSYANVFGDGPYSTFLTSSPIRSRPPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

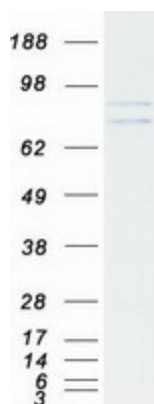
Tag:	C-Myc/DDK
Predicted MW:	93.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002531
Locus ID:	4957
UniProt ID:	Q5BJF6 , A0A024R8A5
RefSeq Size:	3772
Cytogenetics:	9q34.11
RefSeq ORF:	2418
Synonyms:	CT134; ODF2/1; ODF2/2; ODF84
Summary:	The outer dense fibers are cytoskeletal structures that surround the axoneme in the middle piece and principal piece of the sperm tail. The fibers function in maintaining the elastic structure and recoil of the sperm tail as well as in protecting the tail from shear forces during epididymal transport and ejaculation. Defects in the outer dense fibers lead to abnormal sperm morphology and infertility. This gene encodes one of the major outer dense fiber proteins. Alternative splicing results in multiple transcript variants. The longer transcripts, also known as 'Cenexins', encode proteins with a C-terminal extension that are differentially targeted to somatic centrioles and thought to be crucial for the formation of microtubule organizing centers. [provided by RefSeq, Oct 2010]

Product images:



Coomassie blue staining of purified ODF2 protein (Cat# TP301985). The protein was produced from HEK293T cells transfected with ODF2 cDNA clone (Cat# [RC201985]) using MegaTran 2.0 (Cat# [TT210002]).