

Product datasheet for **TP525548**

Odf2 (NM_001113214) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse outer dense fiber of sperm tails 2 (Odf2), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR225548 representing NM_001113214 Red=Cloning site Green=Tags(s)

MKDRSSTPPLHVVHVDENTPVHVIKPKPSAASSQKSHKRGMKGDTVNVRRSVRVKTKVPWMPGKSSA
RHVGCKWENPPHCLEITPPSSEKLVSMRLSDLSTEDDSDGHCMMNRYDKKIDSLMNAVGLKSEVKMQK
GERQMAKRFLERKEELEVAHELAEHENTVLRHNIERIKEEKDFTMLQKHLQKEKECLMSKLVAE
MDGAAAQVMALKDTIGKLTQKMTCTDINTLTRQKELLQKLSTFEETNRTLRLDLLREQHCKEDSER
LMEQQGTLKRLAEADSEKARLLLLLQDKDKEVEELLQEIQCEKAQAKTASELSKSMESMRGHLQAQLRC
KEAENSRLCMQIKNLERSGNQHKAEVEAIMEQLKELKQKGDGDRDKETLKKAIRAQKERAEKSEYAEQLHV
QLADKDLVVAEALSTLESWRSRYNQVVKDKGDELEIIVLNDRVTDLVNQQQSLEEKMREDRDSLVERLH
RQTAEYSAFKLENERLKASFAPMEDKLNQAHLEVQQLKASVKNYEGMIDNYKSQVMKTRLEADEVAAQLE
RCDKENKMLKDEMKNKEIAARRQFQSQLADLQQLPDILKITEAKLAECQDQLQGYERKNIDLTAIISDLR
SRVRDWQKGSHELARAGARLPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	75.9 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP_001106685](#)

Locus ID: 18286

UniProt ID: [A3KGV1](#)

RefSeq Size: 2418

Cytogenetics: 2 20.79 cM

RefSeq ORF: 1956

Synonyms: A1848335; MMTEST29

Summary: 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 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).[UniProtKB/Swiss-Prot Function]