

Recombinant Mouse Odf2 Protein, Myc/DDK-tagged

Cat. No. Odf2-4573M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length outer dense fiber of sperm tails 2 (Odf2), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	75.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Odf2 outer dense fiber of sperm tails 2 [*Mus musculus* (house mouse)]

Official Symbol Odf2

Synonyms ODF2; outer dense fiber of sperm tails 2; outer dense fiber protein 2; cenexin; 84 kDa outer dense fiber protein; outer dense fiber of sperm tails protein 2; AI848335; MMTEST29

Gene ID 18286

mRNA Refseq NM_001113214

Protein Refseq NP_001106685

UniProt ID A3KGV1

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