

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. |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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