

Product datasheet for MR210835L3

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Odf2 (NM_001113213) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Odf2 (NM_001113213) Mouse Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Odf2

Synonyms: AI848335; MMTEST29

Mammalian Cell

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Puromycin

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(MR210835).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.



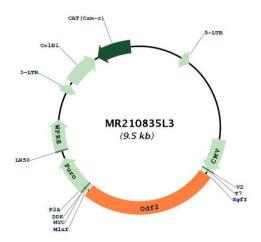
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Plasmid Map:



ACCN: NM_001113213

ORF Size: 2475 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 001113213.1, NP 001106684.1</u>

RefSeq Size: 3921 bp RefSeq ORF: 2478 bp



Odf2 (NM_001113213) Mouse Tagged Lenti ORF Clone - MR210835L3

 Locus ID:
 18286

 UniProt ID:
 A3KGV1

 Cytogenetics:
 2 20.79 cM

Gene 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]