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Product datasheet for MR210835L3V

Odf2 (NM_001113213) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Odf2 (NM_001113213) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Odf2
Synonyms:	AI848335; MMTEST29
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001113213
ORF Size:	2475 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR210835).`
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.
RefSeq:	NM_001113213.1, NP_001106684.1
RefSeq Size:	3921 bp
RefSeq ORF:	2478 bp
Locus ID:	18286
UniProt ID:	A3KGV1
Cytogenetics:	2 20.79 cM

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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]