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Product datasheet for MC226335

Mospd1 (NM_001290514) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mospd1 (NM_001290514) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mospd1
Synonyms:	1810018L05Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC226335 representing NM_001290514
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCATCAACAAAAAAGACAACCAGAGTTAGTGGAAGGGAATCTTCCTGTCTTTGTGTTTCCCACGGAGC
TAATATTTTATGCAGATGATCAGTCAACACATAAACAAGTGTTGACTCTGTACAATCCCTATGAGTTTGC
CTTAAAGTTCAAAGTTTTGTGTACGACTCCAAATAAGTATGTTGTCGTTGATGCTGCCGGTGCAGTGAAG
CCACAGTGCTGTGTGGATATTGTGATTCGTCATAGAGATGTTCGATCCTGTCACTATGGTGTGATAGACA
AATTCCGCCTCCAGGTTTCTGAACAAAGCCAGAGGAAGGCCTTGGGAAGGAAAGAGGTTATTGCCACCCT
TCTCCCATCTGCTAAAGAACAACAGAAGGAAGAGGAGGAGAAGAGAATAAAGGAACACTTAACCGAGAGT
GTGTTCTTTGAGCAGTCATGTCAACCAGAAAACAGAGCCGTCTCTTCAGGACCTAGTTTGCTAACTGTCT
TCCTGGGTGTGGTATGTATTGCGGCCCTGATGCTGCCTACTCTAGGGGATATGGAATCGCTGGTGCCTCT
CTACCTCCACTTAAGTGTGAATCAAAAACTAGTGGCTGCTTATATCTTAGGTCTTATCACAATGGCTATA
CTTAGAACATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001290514
Insert Size:	642 bp

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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	NM_001290514.1, NP_001277443.1
RefSeq Size:	2251 bp
RefSeq ORF:	642 bp
Locus ID:	70380
UniProt ID:	Q8VEL0
Cytogenetics:	X A5
Gene Summary:	Plays a role in differentiation and/or proliferation of mesenchymal stem cells (PubMed:21792907, PubMed:26175344). Proposed to be involved in epithelial-to-mesenchymal transition (EMT) (PubMed:21792907). However, another study suggests that it is not required for EMT or stem cell self-renewal and acts during later stages of differentiation (PubMed:26175344).[UniProtKB/Swiss-Prot Function]

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