

Product datasheet for MC211062

Mospd1 (NM_027409) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: Mospd1 (NM_027409) 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: >MC211062 representing NM_027409
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGCATCAACAAAAAGACAACCAGAGTTAGTGAAGGGAATCTTCCTGTCTTTGTGTTCCACGGAGC
 TAATATTTTATGCAGATGATCAGTCAACACATAAACAAGTTGACTCTGTACAATCCCTATGAGTTTGC
 CTTAAAGTTCAAAGTTTGTGTACGACTCCAAATAAGTATGTTGTCGTTGATGCTGCCGGTGCAGTGAAG
 CCACAGTGCTGTGTGGATATTGTGATTCGTCATAGAGATGTTGATCCTGTCACTATGGTGTGATAGACA
 AATTCCGCCTCCAGGTTTCTGAACAAAGCCAGAGGAAGGCCTTGGGAAGGAAAGAGGTTATTGCCACCCT
 TCTCCCATCTGCTAAAGAACAACAGAAGGAAGAGGAGGAAGAGAATAAAGGAACACTTAACCGAGAGT
 GTGTTCTTTGAGCAGTCATGTCAACCAGGTAAAAACAGAGCCGCTCTTTCAGGACCTAGTTTGCTAACTG
 TCTTCTGGGTGTGGTATGTATTGCGGCCCTGATGCTGCCTACTCTAGGGGATATGGAATCGCTGGTGCC
 TCTCTACCTCCACTTAAGTGTGAATCAAAACTAGTGGCTGCTTATCTTAGGTCTTATCACAATGGCT
 ATACTTAGAACA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_027409

Insert Size: 645 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_027409.5 , NP_081685.1
RefSeq Size:	2254 bp
RefSeq ORF:	645 bp
Locus ID:	70380
UniProt ID:	Q8VELO
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]