

## 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  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226335 representing NM\_001290514  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGCATCAACAAAAAGACAACCAGAGTTAGTGAAGGGAATCTCCTGTCTTTGTGTTCCACGGAGC  
 TAATATTTTATGCAGATGATCAGTCAACACATAAACAAGTGTGACTCTGTACAATCCCTATGAGTTGC  
 CTTAAAGTTCAAAGTTTTGTGTACGACTCCAAATAAGTATGTTGTCGTTGATGCTGCCGGTGCAGTGAAG  
 CCACAGTGCTGTGTGGATATTGTGATTCGTCATAGAGATGTTTCGATCCTGTCACTATGGTGTGATAGACA  
 AATTCCGCTCCAGGTTTCTGAACAAAGCCAGAGGAAGGCCTTGGGAAGGAAAGAGGTTATTGCCACCT  
 TCTCCCATCTGCTAAAGAACAACAGAAGGAAGAGGAGGAGAAGAGAATAAAGGAACACTTAACCGAGAGT  
 GTGTTCTTTGAGCAGTCATGTCAACCAGAAAACAGAGCCGCTCTTTCAGGACCTAGTTTGCTAACTGTCT  
 TCCTGGGTGTGGTATGTATTGCGGCCCTGATGCTGCCTACTCTAGGGGATATGGAATCGCTGGTGCCTCT  
 CTACCTCCACTTAAGTGTGAATCAAAAAGTGTGGCTGCTTATATCTTAGGTCTTATCACAATGGCTATA  
 CTTAGAACATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290514  
**Insert Size:** 642 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_001290514.1</a></u> , <u><a href="#">NP_001277443.1</a></u>
<b>RefSeq Size:</b>	2251 bp
<b>RefSeq ORF:</b>	642 bp
<b>Locus ID:</b>	70380
<b>UniProt ID:</b>	<u><a href="#">Q8VEL0</a></u>
<b>Cytogenetics:</b>	X A5
<b>Gene Summary:</b>	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]