

Product datasheet for **MC227951**

Mospd2 (NM_001290523) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mospd2 (NM_001290523) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mospd2
Synonyms:	2410013I23Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC227951 representing NM_001290523
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATG**CCGAGAATAACGCTCAGAATAAAGCCAAGCTAATCTCAGAGACCCGCGGAGATTCGAAGCTGAGT**
 ATGTGACAGAAAAGTCAGAAAAATATGATTCACGTGATGTTGAAAGGCTTCAGCAAGATGATAACTGGT
 TGAAAGTTACTTATACTGGAGACATAACGTTGTGGATGAAACCCCTGAAGATGCTTGACGAGAGTTTTTCAG
 TGGAGGAAAGAGTTCTCTGTCAATGACCTTAGTGAATCCTCTATTCCAAGATGGTTATTAGAAGCTGGT
 GTATTTATCTCCATGGTTATGACAAAGAAGGTAACAAATTATTCTGGATCAGAGTGAAGTATCACATAAA
 AGATCAGAAAACCATAATGGACAAGAAGAAGCTCATAGCATTCTGGTTGGAACGATATGCCAAGAGAGAA
 AACGGGAAACCTATCACAGTGATGTTTGACATGCCGAACTGGACTCAATAGCATAGACATGGACTTTG
 TACGATTTATCATCAACTGCTTTAAGGTGATTACCCCAATACCTCTCAAAAAATAGTGATCTTTGATAT
 GCCTTGGATAATGAATGTGCTTTCAAAATTTGAAAAGCTGGCTTGGCCCCGAAGCAGTAAGCTTGTG
 AAGTTTACAAGTAAGAATGAAATCCAGGAGTATGTCAGTGTGGAATACCTGCCTCCCACATGGGTGGGA
 CAGATCCATTCAAGTATAGCTACCCACCACTGGTAGATGACTTCCAGACACCACTTTGTGAAAAATGG
 GCCAATTGCCAGTGAGGATGAAACCTCAAGTAAGGAAGATATAGAAGGTGATGGTAAGGAAACCTTGAA
 ACGATTTCTAATGAGGAGCCACCAGCTCTGTCTGAAAAGAGTAACCCAAGTACTGTTTCCAAAAAAG
 ATGAAAATGAAAAAGTTGATTCAAAGACGAAAACCTTTTAAAAAGCCATTGAGTGTTTTTAAAGGACCTT
 ATTACACATCAGCCCAGCAGAGGAATTATTTTGAAGCATTGAATCTGGAGAGAAGAAAACCTTGATA
 GTGTTGACAAATGTCACAAAAAATATTGTGGCCTTTAAGGTGAGAACCACAGCTCCAGAAAAATACAGGG
 TCAAGCTAGCAACAGCAGCTGCGATCCCGGAGCTTCCATTGATATCATCGTTTCTCCACACGGAGGTTT
 AACCGTCTCAGCTCAAGACCGGTTCTGATCATGGCTGCCGAAATGGAGCAGTCATCTGGCACTGGGCCT
 GCAGAAGTGAAGTCAAGTCTGAAAAGAGGTTCCAAGAAACAAGGTGATGGAGCACAGGCTAAGATGTCACA
 CCGTTGAGAGCAGCAAACCGAACAGTCTCATGCTGAAGGACAGCATTTCCACCATGTCAGATAAAACCGAG
 TGAAGTCTGTACCTGCAATTTGCCACCTCCAGATGTGAAACAGACTGCAGTCCACACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-MluI
- ACCN:** NM_001290523
- Insert Size:** 1461 bp
- 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_001290523.1](#), [NP_001277452.1](#)

RefSeq Size: 2487 bp

RefSeq ORF: 1461 bp

Locus ID: 76763

UniProt ID: [Q9CWP6](#)

Cytogenetics: X F5

Gene Summary: Promotes migration of primary monocytes and neutrophils, in response to various chemokines.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) uses an alternate splice site in the 3' terminal exon, which results in a different 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.