

Product datasheet for **MR217527**

Mospd2 (NM_029730) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mospd2 (NM_029730) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mospd2
Synonyms:	2410013I23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR217527 representing NM_029730
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCGCGAGAATAACGCTCAGAATAAGCCAAGCTAATCTCAGAGACCCGCGGAGATTCGAAGCTGAGT
 ATGTGACAGAAAAGTCAGAAAAATATGATTCACGTGATGTTGAAAGGCTTCAGCAAGATGATAACTGGT
 TGAAAGTTACTTATACTGGAGACATAACGTTGTGGATGAAACCCCTGAAGATGCTTGACGAGAGTTTTAG
 TGGAGGAAAGAGTTCTCTGTCAATGACCTTAGTGAATCCTCTATTCCAAGATGGTTATTAGAACTTGGT
 GTATTTATCTCCATGGTTATGACAAAGAAGGTAACAAATTATTCTGGATCAGAGTGAAGTATCACATAAA
 AGATCAGAAAACCATAATGGACAAGAAGAAGCTCATAGCATTCTGGTTGGAACGATATGCCAAGAGAGAA
 AACGGGAAACCTATCACAGTGATGTTTGACATGCCGAACTGGACTCAATAGCATAGACATGGACTTTG
 TACGATTTATCATCAACTGCTTTAAGGTGATTACCCCAATACCTCTCAAAAAATAGTGATCTTTGATAT
 GCCTTGGATAATGAATGTGCTTTCAAAATTGTGAAAAGCTGGCTTGGCCCCGAAGCAGTAACTTGTG
 AAGTTTACAAGTAAGAATGAAATCCAGGAGTATGTCAGTGTGGAATACCTGCCTCCACATGGGTGGGA
 CAGATCCATTCAAGTATAGCTACCCACCACTGGTATGATGACTTCCAGACACCACTTTGTGAAAAATGG
 GCCAATTGCCAGTGGAGTGAACCTCAAGTAAGGAAGATATAGAAGGTGATGGTAAGGAAACCTTGAA
 ACGATTTCTAATGAGGAGCCACCAGCTCTGTCTGAAAAGAGTAACCCAACCTGAGTCTGTTTCAAAAAAG
 ATGAAAATGAAAAAGTTGATTCAAAGACGAAAACCTTTTAAAAAGCCATTGAGTGTTTTTAAAGGACCTT
 ATTACACATCAGCCAGCAGAGGAATTATTTTTGGAAGCATTGAATCTGGAGAGAAGAAAACCTGATA
 GTGTTGACAAATGTCACAAAAAATTTGCGCCTTTAAGGTGAGAACCACAGCTCCAGAAAAATACAGGG
 TCAAGCTAGCAACAGCAGCTGCCATCCCGGAGCTTCCATTGATATCATCGTTTTCCACACGGAGTTT
 AACCGTCTCAGCTCAAGACCGGTTCTGATCATGGCTGCCGAAATGGAGCAGTCACTGGCACTGGGCT
 GCAGAAGTGAAGTCAAGTCTGAAAAGAGGTTCCAAGAAACAAGGTGATGGAGCACAGGCTAAGATGCACA
 CCGTTGAGAGCAGCAAACCGAACAGTCTCATGCTGAAGGACAGCATTTCACCATGTCAGATAAAACCGAG
 TGAAGTCTGTACCTGCAACTCAATCGTTTACTAGAAAGCAATAGGAACTGGAAGACCAACTACAGCGC
 TCTATCTGGTTCCAACAGCTACTGCTTGCCTTAAACATGGTCTTGCTTGTGTTTTGTTCTTTCTTTT
 ATTCATTATACAAT

ACGCGTACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217527 representing NM_029730
 Red=Cloning site Green=Tags(s)

MAENNAQNKAKL ISETRRRFEAEYVTEKSEKYDSRDVERLQQDDNWVESYLWYRHNVVDELKMLDESFO
 WRKEFSVNDLSESSI PRWLELGGIYLHGYDKEGNKLFWIRVKYHIKDQKTIMDKKLI AFWLERYAKRE
 NGKPITVMFDMSETGLNSIDMDFVRFIINCFKVVYPKYL SKIVIFDMPWIMNAAFIVKSWLGPEAVSLL
 KFTSKNEIQEYVSVEYLP PHMGGTDPFKYSYPLVDDDFQTPLCENGP IASEDETSSKEDI EGDGKETLE
 TISNEEPPALSEKSNPTESVSKK DENEKVDSKTKTFKKPLSVFKGPLLHISPAEELYFGSIESGEKKTLI
 VLTNVTKNIVAFKVRTTAPEKYRVKPSNSSCDPGASIDIIVSPHGGLTVSAQDRFL IMAAEME QSSGTGP
 AELSQFWKEVPRNKVMEHRLRCHTVESSKPNLMLKDSISTMSDKTSEDLYLQLNRLLESNRKLEDQLQR
 SIWFQQLLLALTMVLLAFVVSFFYSLYN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_029730

ORF Size: 1554 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

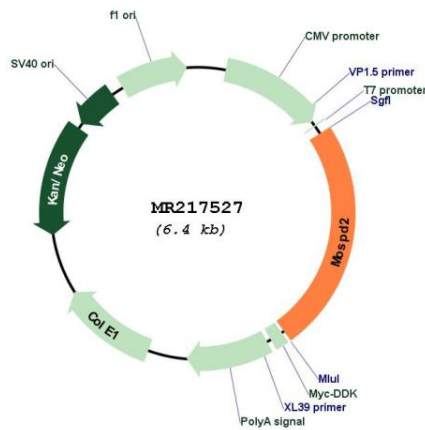
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_029730.4, NP_084006.2](#)
 RefSeq Size: 2015 bp
 RefSeq ORF: 1557 bp
 Locus ID: 76763
 UniProt ID: [Q9CWP6](#)
 Cytogenetics: X F5
 MW: 60.3 kDa
 Gene Summary: Promotes migration of primary monocytes and neutrophils, in response to various chemokines.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR217527