

Product datasheet for **RC205450**

MOSPD2 (NM_152581) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | MOSPD2 (NM_152581) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | MOSPD2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



[View online »](#)

ORF Nucleotide Sequence:

>RC205450 representing NM_152581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGAGAATCACGCCAGAATAAGCCAAGCTCATCTCTGAGACCCGGAGGAGTTTCAAGCTGAGT
 ATGTGACAGATAAGTCAGATAAAATATGATGCACGTGATGTTGAAAGGCTACAACAAGATGATAACTGGGT
 TGAAAGTTACTTATCTTGAGACATAATATTGTAGATGAAACACTGAAGATGCTCGATGAGAGTTTTTCAG
 TGGAGGAAAGAAATTTCTGTCAATGACCTTAATGAATCCTCCATCCCAGATGGTTATTGGAAATTTGGT
 TTATTTATCTCCATGGTTATGACAAAGAAGGTAACAAATTTGTTCTGGATCAGGGTGAAGTATCATGTAAA
 AGACCAGAAAACCATATTGGACAAAAAGAAGCTCATAGCATTCTGGTTGGAACGTTATGCTAAGAGGGAA
 AATGGGAAACCTGTAAACAGTGATGTTTGACCTGTCAGAACTGGAATAAATAGCATTGACATGGACTTTG
 TACGCTTTATCATCAACTGCTTTAAGGTTTATTACCCTAAATACCTCTCAAAAAATAGTGATCTTTGATAT
 GCCTTGGTTAATGAATGTGCTTTCAAAATTTGAAAACCTGGCTTGGTCCAGAAGCAGTGAGCTTGTG
 AAGTTTACAAGCAAAAATGAAGTCCAGGACTATGTCAGGTGAGAATACCTGCCTCCCCACATGGGTGGAA
 CTGATCCTTTCAAGTATAGCTATCCACCACTAGTAGATGATGACTTCCAGACCCCACTGTGTGAGAAATGG
 GCCTATTACAGTGAGGATGAACTTCAAGTAAAGAAGACATAGAAAAGTATGGCAAAGAAACATTGGAA
 ACAATTTCTAATGAAGAACAACACCTCTTCTTAAAAAGATTAACCCAACCGAATCTACTTCAAAGCAG
 AAGAAAATGAAAAAGTTGATTCAAAAGTAAAGCTTTCAAGAAACATTGAGTGTATTTAAAGGCCCTT
 ACTACACATCAGCCAGCAGAAGAACTGTACTTTGGAAGTACAGAATCCGGAGAGAAGAAAACCTTAATA
 GTGTTGACAAATGTAACATAAAATATAGTGGCATTAAAGGTGAGAACAACAGCTCCAGAAAAATACAGAG
 TCAAGCCAAGCAATAGCAGCTGTGACCCGGTGCATCAGTGGATATAGTTGTGTCTCCCCATGGGGTTTT
 AACAGTCTCTGCCCAAGACCGTTTTCTGATAATGGCTGCAGAAAATGGAACAGTCATCTGGCACAGGCCCA
 GCAGAATTAAGTCAAGTTTTGAAAAGAAGTCCAGAAAACAAGTATGGAACATAGGTTAAGATGCCATA
 CTGTTGAAAGCAGTAAACCAAACACTCTTACGTTAAAAGACAATGCTTTCAATATGTCAGATAAAACAG
 TGAAGATATGTCTACAACCTAGTCGTTTACTAGAAAGCAATAGGAAGCTTGAAGACCAAGTTCAGCGT
 TGTATCTGGTCCAGCAGCTGCTGCTTTCCTTAACAATGCTCTTGTGCTTTTGTACCTCTTTCTTCT
 ATTTATTGTACAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC205450 representing NM_152581
 Red=Cloning site Green=Tags(s)

MAENHAQNKAKL ISETRRRFEAEYVTDKSDKYDARDVERLQQDDNWVESYLSWRHNIVDETLKMLDESFQ
 WRKEISVNDLNESSIPRWLLEIGVIYHLHGVDKEGNKLFWIRVKYHVKDQKTILDKKKLI AFWLERYAKRE
 NGKPVTVMF DLSETGINSIDMDFVRFIINCFKVVYPKYL SKIVIFDMPWLMNAAFKIVKTLWGPEAVSLL
 KF TSKNEVQDYVSYEYLP PHMGGTDPFKYSYPLVDDDFQTPLCENGPITSEDETSKEDI ESDGKETLE
 TISNEEQTPLLKKINPTESTSKEENEKVDSKVAFKKPLSVFKGPLLHISPAEELYFGSTESGEKKT LI
 VLTNVTKNIVAFKVRTTAPEKYRVKPSNSSCDPGASVDIVVSPHGLTVSAQDRFLIMAAEMEQSSGTP
 AELTQFWKEVPRNKVMEHRLRCHTV ESSKPNTLTKDN AFNMSDKTSEDI CLQLSRLLESNRKLEDQVQR
 CIWFQQLLLSLTMLLLAFVTSFFYLLYS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

ACCN: NM_152581

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](#)

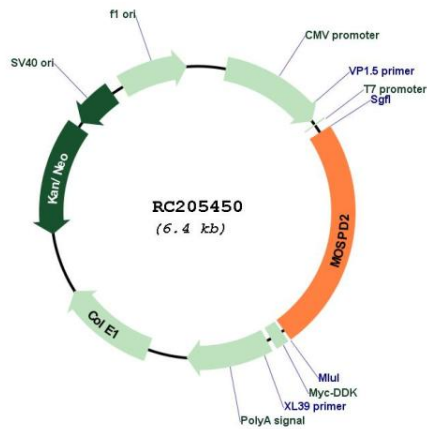
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_152581.4](#)
RefSeq Size: 3219 bp
RefSeq ORF: 1557 bp
Locus ID: 158747
UniProt ID: [Q8NHP6](#)
Cytogenetics: Xp22.2
Domains: MSP_domain, SEC14
Protein Families: Transmembrane
MW: 59.7 kDa
Gene Summary: Promotes migration of primary monocytes and neutrophils, in response to various chemokines.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC205450