

Product datasheet for **RG205450**

MOSPD2 (NM_152581) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOSPD2 (NM_152581) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MOSPD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG205450 representing NM_152581
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCAGAGAATCACGCCAGAATAAGCCAAGCTCATCTCTGAGACCCGAGGAGGTTTCAAGCTGAGT
 ATGTGACAGATAAGTCAGATAAATATGATGCACGTGATGTTGAAAGGCTACAACAAGATGATAACTGGT
 TGAAAGTTACTTATCTTGAGACATAAATTGTAGATGAAACACTGAAGATGCTCGATGAGAGTTTTTCAG
 TGGAGGAAAGAAATTTCTGTCAATGACCTTAATGAATCCTCCATCCCAGATGGTTATTGGAAATGGTG
 TTATTTATCTCCATGGTTATGACAAAGAAGGTAACAAATGTTCTGGATCAGGGTGAAGTATCATGTAAA
 AGACCAGAAAACCATATTGGACAAAAAGAAGCTCATAGCATTCTGGTTGGAACGTTATGCTAAGAGGGAA
 AATGGGAAACCTGTAACAGTGATGTTTGACCTGTCAGAACTGGAATAAATAGCATTGACATGGACTTTG
 TACGCTTTATCATCAACTGCTTTAAGGTTTATTACCCTAAATACCTCTCAAAAATAGTGATCTTTGATAT
 GCCTTGGTTAATGAATGTGCTTTCAAAATTTGAAAACCTGGCTTGGTCCAGAAGCAGTGAGCTTGTG
 AAGTTTACAAGCAAAAATGAAGTCCAGGACTATGTCAGGTGAGAATACCTGCCTCCCACATGGGTGGAA
 CTGATCCTTTCAAGTATAGCTATCCACCACTAGTAGATGATGACTTCCAGACCCACTGTGTGAGAATGG
 GCCTATTACAGTGAGGATGAACTTCAAGTAAAGAAGACATAGAAAAGTATGGCAAAGAAACATTGGAA
 ACAATTTCTAATGAAGAACAACACCTCTTCTTAAAAAGATTAACCCAACCGAATCTACTTCAAAGCAG
 AAGAAAATGAAAAAGTTGATTCAAAAGTAAAGCTTTCAAGAAACATTGAGTGTATTTAAAGGCCCTT
 ACTACACATCAGCCAGCAGAAGAACTGACTTTGGAAGTACAGAATCCGGAGAGAAGAAAACCTTAATA
 GTGTTGACAAATGTAACATAAATAATAGTGGCATTAAAGTGAGAACAACAGCTCCAGAAAAATACAGAG
 TCAAGCCAAAGCAATAGCAGCTGTGACCCGGTGCATCAGTGGATATAGTTGTGTCTCCCCATGGGGTTT
 AACAGTCTCTGCCAAGACCGTTTTCTGATAATGGCTGCAGAAATGGAACAGTCATCTGGCACAGGCCCA
 GCAGAATTAAGTCAAGTTTTGAAAGAAGTCCAGAAACAAGTATGGAACATAGGTTAAGATGCCATA
 CTGTTGAAAGCAGTAAACCAAACTCTTACGTTAAAAGACAATGCTTTCAATATGTCAGATAAAACCGAG
 TGAAGATATATGCTACAACCTAGTCGTTTACTAGAAAGCAATAGGAAGCTTGAAGACCAAGTTCAGCGT
 TGTATCTGGTCCAGCAGCTGCTGCTTTCCTTAACAATGCTCTTGTCTTTTGTACCTCTTCTTCT
 ATTTATTGTACAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG205450 representing NM_152581
 Red=Cloning site Green=Tags(s)

MAENHAQNKAKL ISETRRRFEAEYVTDKSDKYDARDVERLQQDDNWVESYLSWRHNIIVDELKMLDESFO
 WRKEISVNDLNESSIPRWLLEIGVIYLGHYDKEGNKLFWIRVKYHVKDQKTILDKKKLI AFWLEERYAKRE
 NGKPVTVMF DLSETGINSIDMDFVRFIINCFKVVYPKYL SKIVIFDMPWLMNAAFKIVKTLWGPEAVSLL
 KFTSKNEVQDYVSVEYLPHPMGGTDPFKYSYPLVDDDFQTPLCENGPITSEDETSKEDI ESDGKETLE
 TISNEEQTPLLKKINPTESTSKAEENEKVDSKVKAFKKPLSVFKGPLLHISPAEELYFGSTESGKKTLLI
 VLTNVTKNIVAFKVRRTAPEKYRVKPSNSSCDPGASVDIVVSPHGLTVSAQDRFL IMAAEMEQQSSGTGP
 AELTQFWKEVPRNKVMEHRLRCHTVESKPNLTLKDNFANMSDKTSEDI CLQLSRLLESNRKLEDQVQR
 CIWFQQLLLSLTMLLLAFVTSFFYLLYS

TRTRPLE - GFP Tag - V

Restriction Sites:

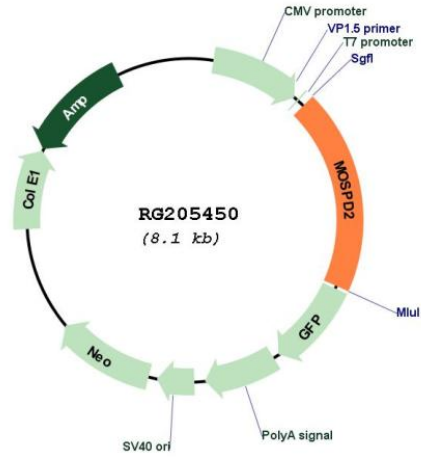
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



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

Gene Summary: Promotes migration of primary monocytes and neutrophils, in response to various chemokines.[UniProtKB/Swiss-Prot Function]