

## Product datasheet for **RG230114**

### MOSPD2 (NM\_001177475) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MOSPD2 (NM_001177475) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MOSPD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG230114 representing NM_001177475 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTCGATGAGAGTTTTTCAGTGGAGGAAAGAAATTTCTGTCAATGACCTTAATGAATCCTCCATTCCCA  
GATGGTTATTGGAAATGGTGTATTTATCTCCATGGTTATGACAAAAGAAGGTAACAAATTTCTGGAT  
CAGGGTGAAGTATCATGTAAAAGACCAGAAAACCATATTGGACAAAAGAAGCTCATAGCATTCTGGTTG  
GAACGTTATGCTAAGAGGGAAAAATGGGAAACCTGTAACAGTGTATGTTGACCTGTCAGAAAACCTGGAATAA  
ATAGCATGACATGGACTTTGTACGCTTATCATCAACTGCTTTAAGGTTTATTACCCTAAATACCTCTC  
AAAAATAGTGATCTTTGATATGCCTTGGTTAATGAATGCTGCTTTCAAAAATTGTGAAAACCTGGCTTGGT  
CCAGAAGCAGTGAGCTTGTGAAGTTTACAAGCAAAAATGAAGTCCAGGACTATGTCAGTGTAGAATACC  
TGCTCCCCACATGGGTGGAACCTGATCCTTTCAAGTATAGCTATCCACCCTAGTAGATGATGACTTCCA  
GACCCCACTGTGTGAGAAATGGGCCTATTACCAGTGAAGTAAAGTAAAGAACATAGAAAGT  
GATGGCAAAGAACATTGGAAACAATTTCTAATGAAGAACAACACCTCTTCTTAAAAAGATTAACCCAA  
CCGAATCTACTTCAAAGCAGAAGAAAAATGAAAAAGTTGATTCAAAGTGAAGCTTTCAAGAAACCATT  
GAGTGTATTTAAAGGCCCTTACTACACATCAGCCAGCAGAAGAACTGTACTTTGGAAGTACAGAAATCC  
GGAGAGAAGAAAACCTTAATAGTGTGACAAATGTAACATAAAATATAGTGGCATTAAAGTGAAGAACAA  
CAGCTCCAGAAAATACAGAGTCAAGCCAAGCAATAGCAGCTGTGACCCGGGTGCATCAGTGGATATAGT  
TGTGTCTCCCATGGGGTTTAAACAGTCTCTGCCAAGACCGTTTTCTGATAATGGCTGCAGAAATGGAA  
CAGTCACTGGCACAGGCCAGCAGAAATTAACCTAGTTTTGAAAAGAAGTCCCAGAAAACAAAGTATGG  
AACATAGGTTAAGATGCCATACTGTTGAAAGCAGTAAACCAAACCTCTTACGTTAAAAGACAATGCTTT  
CAATATGTCAGATAAAACCAGTGAAGATATATGTCTACAACCTCAGTCGTTTACTAGAAAAGCAATAGGAAG  
CTTGAAGACCAAGTTCAGCGTTGATCTGGTCCAGCAGCTGCTGCTTTCCTTAACAATGCTCTTGCTTG  
CTTTTGTACCTCTTCTTCTATTTATTGTACAGT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG230114 representing NM\_001177475  
 Red=Cloning site Green=Tags(s)

MLDESFQWRKEISVNDLNESSIPRWLLEIGVIYLHGYDKEGNKLFWIRVKYHVKDQKTILDKKKLIAFWL  
 ERYAKRENGKPVTVMFDLSETGINSIDMDFVRFIINCfkVYYPKYLskIvIFDMPWLMNAAFKIVKTLWG  
 PEAVSLLKFTSKNEVQDYVSVEYLPPHMGTDpFKYSYpPLVDDDFQTPLCENgPITSEDETSSKEDIES  
 DGKETLETISNEEQTPLLKKINPTTESTSKAEENEKVDskVKAFKKPLSVFKGpLLHISPAEELYFGSTES  
 GEKkTLIVLtnvTKNIvAFKvRTTAPEkYRVKpSNSSCDPGASVDIVVSPHGGLTVSAQDRFLIMAEME  
 QSSGTGPAELTQFWKEVPRNKVMEHRLRCHTVESSKpNTLTLKDNafNMSDKTSEDICLQLSRLLESNRK  
 LEDQVQRciWFQQLLSLTMLLLAFVTSFFYLLYS

TRTRPLE – GFP Tag – V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001177475

**ORF Size:** 1365 bp

**OTI Disclaimer:** 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\\_001177475.1](#), [NP\\_001170946.1](#)

**RefSeq Size:** 3183 bp

**RefSeq ORF:** 1368 bp

**Locus ID:** 158747

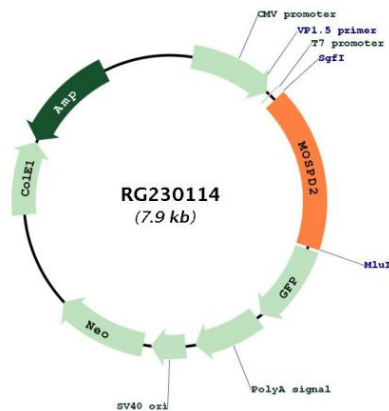
**UniProt ID:** [Q8NHP6](#)

**Cytogenetics:** Xp22.2

**Protein Families:** Transmembrane

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

**Product images:**



Circular map for RG230114