

Product datasheet for **MG207792**

Mospd2 (BC026425) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mospd2 (BC026425) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mospd2
Synonyms:	2410013I23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207792 representing BC026425
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGAGAATAACGCTCAGAATAAAGCCAAGCTAATCTCAGAGACCCGCGGAGATTCGAAGCTGAGT
 ATGTGACAGAAAAGTCAGAAAAATATGATTCACGTGATGTTGAAAGGCTTCAGCAAGATGATAACTGGGT
 TGAAAGTTACTTATACTGGAGACATAACGTTGTGGATGAAACCCCTGAAGATGCTTGACGAGAGTTTTTCAG
 TGGAGGAAAGAGTTCTCTGTCAATGACCTTAGTGAATCCTCTATTCCAAGATGGTTATTAGAACTTGGTG
 GTATTTATCTCCATGGTTATGACAAAGAAGGTAACAAATTATTCTGGATCAGAGTGAAGTATCACATAAA
 AGATCAGAAAACCATAATGGACAAGAAGAAGCTCATAGCATTCTGGTTGGAACGATATGCCAAGAGAGAA
 AACGGGAAACCTATCACAGTGATGTTTGACATGCCGAACTGGACTCAATAGCATAGACATGGACTTTG
 TACGATTTATCATCAACTGCTTTAAGGTGATTACCCCAATACCTCTCAAAAATAGTGATCTTTGATAT
 GCCTTGGATAATGAATGTGCTTTCAAAATTGTGAAAAGCTGGCTTGGCCCCGAAGCAGTAACTTGTG
 AAGTTTACAAGTAAGAATGAAATCCAGGAGTATGTCAGTGTGGAATACCTGCCTCCCACATGGGTGGGA
 CAGATCCATTCAAGTATAGCTACCCACCACTGGTAGATGACTTCCAGACACCACTTTGTGAAAATGG
 GCCAATTGCCAGTGAGGATGAAACCTCAAGTAAGGAAGATATAGAAGGTGATGGTAAGGAAACCTTGAA
 ACGATTTCTAATGAGGAGCCATCAGCTCTGTCTGAAAAGAGTAACCCAACCTGAGTCTGTTTCAAAAAAG
 ATGAAAATGAAAAGTTGATTCAAAGACGAAAACCTTTTAAAAAGCCATTGAGTGTTTTTAAAGGACCCCT
 ATTACACATCAGCCAGCAGAGGAATTATTTTTGGAAGCATTGAATCTGGAGAGAAGAAAACCTGATA
 GTGTTGACAAATGTCACAAAAAATTTGTGGCCTTTAAGGTGAGAACCACAGCTCCAGAAAAATACAGGG
 TCAAGCCTAGCAACAGCAGCTGCGATCCCGGAGCTTCCATTGATATCATCGTTTTCCACACGGAGTTT
 AACCGTCTCAGCTCAAGACCGGTTCTGATCATGGCTGCCGAAATGGAGCAGTCATCTGGCACTGGGCCCT
 GCAGAACTGAGTCAGTTCTGAAAAGAGTTCCAAGAAACAAGGTGATGGAGCACAGGCTAAGATGTCACA
 CCGTTGAGAGCAGCAAACCGAACAGTCTCATGCTGAAGGACAGCATTTCCACCATGTCAGATAAAACCG
 TGAAGTCTGTACCTGCAATTTGCCACCTCCAGATGTGAAACAGACTGCAGTCCACAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207792 representing BC026425
 Red=Cloning site Green=Tags(s)

MAENNAQNKAKL ISETRRRFEAEYVTEKSEKYDSRDVERLQDDNWVESYLWVRHNVDLTKMLDESFO
 WRKEFSVNDLSESSIPRWLLELGGIYLHGDKGNKLFWIRVKYHIKQKTIMDKKLI AFWLERYAKRE
 NGKPIITVMFDMSETGLNSIDMDFVRFIINCFKVYYPKYL SKIVIFDMPWIMNAAFIVKSWLGPEAVSLL
 KFTSKNEIQEYVSVEYLPPhMGTDPFKYSYPPLVDDDFQTPLCENGP IASEDETSKEDI EGDGKETLE
 TISNEEPSALSEKSNPTESVSKDENEKVDSKTKTFKKPLSVFKGPLLHISP AEELYFGSIESGEKTLI
 VLTNVTKNIVAFKVRTTAPEKYRVKPSNSSCDPGASIDIIVSPHGGLTVSAQDRFL IMAAEME QSSGTGP
 AELSQFWKEVPRNKVMEHRLRCHTVESSKPNLMLKDSISTMSDKTSEDLYLQFATSRCE TDCSPH

TRTRPLE - GFP Tag - V

Restriction Sites:

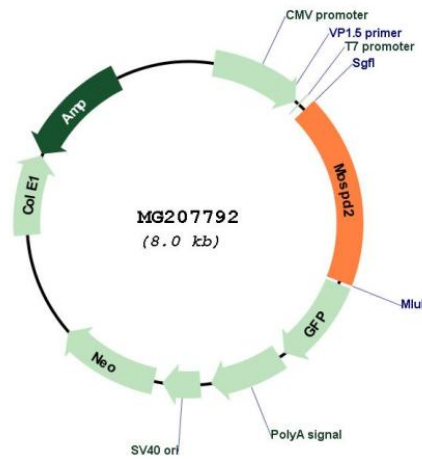
Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: BC026425
 ORF Size: 1460 bp

OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	<ol style="list-style-type: none"> 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:	<u>BC026425</u> , <u>AAH26425</u>
RefSeq Size:	2422 bp
RefSeq ORF:	1460 bp
Locus ID:	76763
Cytogenetics:	X F5
Gene Summary:	Promotes migration of primary monocytes and neutrophils, in response to various chemokines.[UniProtKB/Swiss-Prot Function]