

Product datasheet for **RG218398**

MOSPD3 (NM_001040099) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOSPD3 (NM_001040099) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MOSPD3
Synonyms:	CDS3; NET30
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG218398 representing NM_001040099 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCGCCGTGGGGCGCCCCAGGACCAGGAGCTGGTGGGTCCGGGGCCCCCTGGGCGGGGTCCCGGGCG
 CCCCTCTCCCTTGGGACCCGTTGTCCCGGTCTGGTCTTTCCCCCGGATCTAGTATTCAGGGCGGACCA
 GCGGAGCGGACCCGACAGCTGCTGACCCTCTATAACCCACAGGAAGTGCCTTCGCTCCGAGTCCTG
 TGCACAGCACCTGCCAAATACACGGTGTGGACGACAGGGATATGTGAAGCCCCAGTCTTGCAATTGACA
 TCCACTATGATGTCCAGGACCGCTTCGCAATTGAGCTGTCTGAGGAAGGAGCTGAGGGCCGAGTGGTGGG
 ACGCAAGGACATTACCTCCATTCTGAGAGCCCCAGCGTACCCCTTGAGCTTCAGGGACAGCCAGATCCA
 GCGCCTCGCCAGGGCCTCTGTGGGACACCACCCACGGCCAGACACTCCAGGAGACCCCCGCC
 AGCAACTGGCCACCAGCTCCTTCCTCTCTTGTGCTGACGGGGATTGTGTCTGTGGCCTTCCTGCTGCT
 CCCACTCCCGGACGAAGTCCGGCAGCCAGCTGCCTCAAGTCTGCACGTCTCCCTGGGACAAAAGTTGGT
 GCCGCCTACGTCTTGGGCTCTCACCATGGTGTCTCCGGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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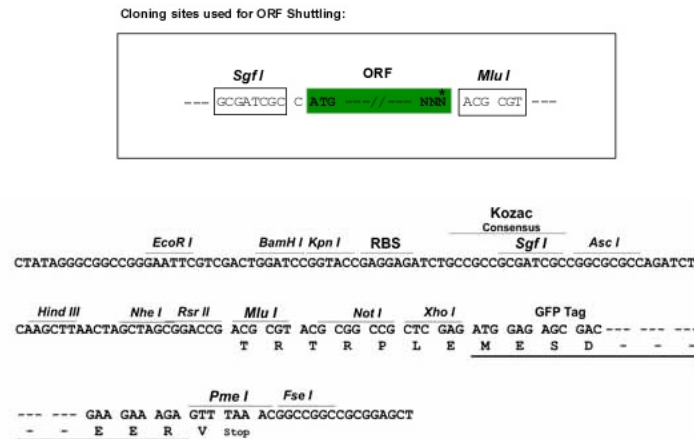
Protein Sequence: >RG218398 representing NM_001040099
 Red=Cloning site Green=Tags(s)

MRRGAPQDQELVGPGRGSRGAPPPLGPVVPVLVFPDDLVRADQSRGPRQLLTLYNPTGTALRFRVL
 CTAPAKYTVFDAEGYVKPQSCIDIHYDVQDRFRIELSEEGAEGRVVGRKDITSILRAPAYPLELQGQPD
 APRPGPPAGTPPTARHFQEHPRQQLATSSFLFLLTGIVSVAFLLLPLPDELGSQLPQVLHVSLGQKL
 AAYVLGLLTMVFLRT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001040099

ORF Size: 675 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_001040099.2](#)

RefSeq Size: 1183 bp

RefSeq ORF: 678 bp

Locus ID: 64598

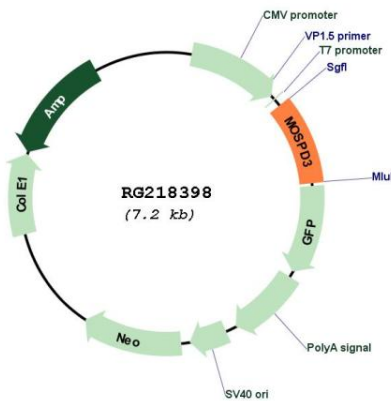
UniProt ID: [O75425](#)

Cytogenetics: 7q22.1

Protein Families: Transmembrane

Gene Summary: This gene encodes a multi-pass membrane protein with a major sperm protein (MSP) domain. The deletion of a similar mouse gene is associated with defective cardiac development and neonatal lethality. Alternate transcriptional splice variants, encoding different isoforms, have been described. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG218398