

Product datasheet for **RG202908**

MOSPD3 (NM_023948) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MOSPD3 (NM_023948) 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:	>RG202908 representing NM_023948 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGCCGTGGGGCGCCCCAGGACCAGGAGCTGGTGGGTCCGGGGCCCCCTGGGCGGGGTCCCGGGCG
CCCCTCTCCCTTGGGACCCGTTGTCCCGGTCTGGTCTTCCCCGGATCTAGTATTCAGGGCGGACCA
GCGGAGCGGACCCCGACAGCTGCTGACCCTCTATAACCCACAGGAAGTGCCTTCGCTCCGAGTCCTG
TGCACAGCACCTGCCAAATACACGGTGTGACGCAGAGGGATATGTGAAGCCCCAGTCTTGCAATTGACA
TTGTGATTCGCCATGTGGCACCCATTCCCAGCCACTATGATGTCCAGGACCGCTTCGCAATTGAGCTGTC
TGAGGAAGGAGCTGAGGGCCGAGTGGTGGGACGCAAGGACATTACCTCCATTCTGAGAGCCCCAGCGTAC
CCCCTTGAGCTTCAGGGACAGCCAGATCCAGCGCTCGCCAGGGCCTCCTGCTGGGACACCACCACCCA
CGGCCAGACACTTCAGGAGCACCCCGCCAGCAACTGGCCACCAGCTCCTTCTCCTCTTCTTGCTGAC
GGGGATTGTGTCTGTGGCCTTCTGCTGCTCCCACTCCCGGACGAACTCGGCAGCCAGCTGCCTCAAGTC
CTGCACGCTCTCCTGGGACAAAAGTTGGTGGCCGCCTACGTCTTGGGCCTCCTCACCATGGTGTTCTCCTC
GGACC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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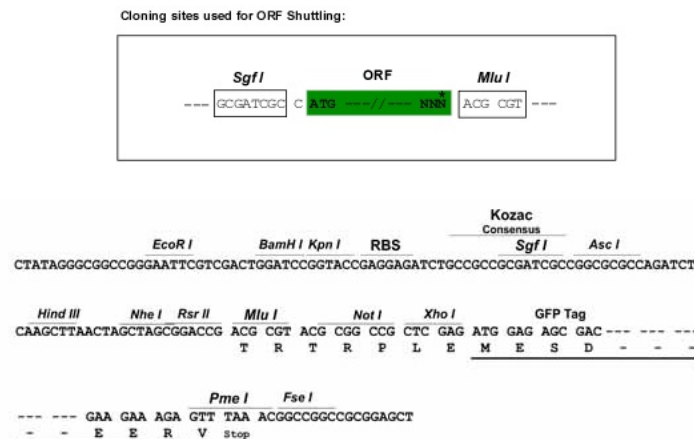
Protein Sequence: >RG202908 representing NM_023948
 Red=Cloning site Green=Tags(s)

MRRGAPQDQELVGPGRGSRGAPPPLGPVVPVLVFPDDLVRADQSRGPRQLLTLYNPTGTALRFRVL
 CTAPAKYTVFDAEGYVKPQSCIDIVIRHVAPIPSHYDVQDRFRIELSEGAEGRVVGRKDITSILRAPAY
 PLELQGQPDAPRPGPPAGTPPTARHFQEHPRQQLATSSFLFLLTGIVSVAFLLLPLPDELGSQLPQV
 LHVSLGQKLVAAYVLGLLTMVFLRT

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_023948

ORF Size: 705 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_023948.5](#)

RefSeq Size: 1205 bp

RefSeq ORF: 708 bp

Locus ID: 64598

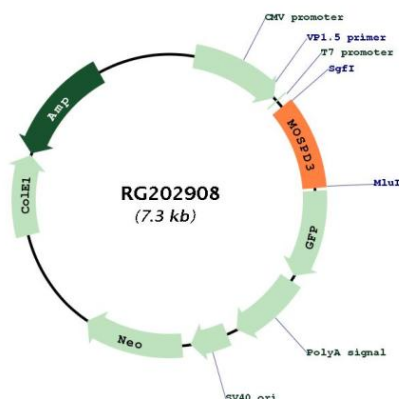
UniProt ID: [O75425](#)

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 RG202908