

Product datasheet for **MG216522**

Psd3 (NM_030263) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psd3 (NM_030263) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Psd3
Synonyms:	4931420C21Rik; AI661273; BC003498; D430018P08; EFA6D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216522 representing NM_030263
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGTATTATAATGTGTCTCATCTATTGCTACTGTAGGGACCGTTGCTTTGCTGAGGGGAAAACAACAG
 GAGTAGATGCTGGTTCTGAAATGGGAGACTGACATTCTGAAAAGGAGACCACAGAAAGTCTCAGCAA
 TGGACCAACAGCAATGTGGAAGCAGCTAAAAGATTGGCCAAACGCTTGTATCATCTAGACAGATTCAAG
 AGATCGGACGTTGCAAAACATCTAGGCAAAAACAATGAATTTAGCAAGCTAGTTGCAGAGGAGTATCTGA
 AGTTTTTTGATTTACGGGGATGACGCTGGATCAGTCTCTCAGGTATTTTTTAAAAGCATTTTCTTTGT
 GGGAGAAAACCCAGGAGCGTGAGAGAGTATTAATACATTTTTCCAATAGATATTTTTCTTGAATCCAGAC
 ACTATCACCTCAAAGATGGAGTTCATTGCCTCACCTGTGCTATGATGCTGCTCAACACAGATCTGCATG
 GCCATAATATTGAAAAGAAGATGACTTGCCAGGAGTTCATTACAAATCTCCAAGGAGTAAATGAAGTGG
 GGATTTCTCCAAGGATCTTCTGAAAGCTCTGTACAACCAATCAAGAACGAGAAGCTTGAATGGGCAGTA
 GATGATGAAGAGAAAAAATCCCCCTCAGAAGTACTGATGAGAAGGCTAATGGAACGCACCCAAAGA
 CTATCAGTCGTATTGGGAGTACAACGAACCCATTTTTGGACATTCTCATGACCCGAATGCTGCTGTATA
 CAAAAGTGGATTTTTGGCTCGTAAAAATCCACGCAGACATGGATGGAAAAGAAGACTCCAAGAGGAAAAGCGA
 GGATGGAAAACCTTTTATGCTGTCTGAAGGGAACCGTTCTTTACTTACAGAAGGATGAGTATAAGCCAG
 AGAAGTCTCTGTCCGATGAAGACTTGAAGAATGCGGTGAGTGTGCACCACGCTCTGGCGTCCAAGGCCAC
 TGACTATGAGAAGAAGCCGAACGTGTTAAACTCAAGACTGCGGACTGGAGGGTCTTGCTTTTCAAACC
 CAGAGTCCAGAGGAAATGCAAGGCTGGATAAACAATAAAGTGTGTGGCAGCTGTGTTTTCTGCACCGC
 CTTTCCCAGCAGCCATTGGCTCTCAGAAGAAGTTAGCCGCCACTTCTGCCGCCACTACAACAAAAAT
 ATCCCAGGAGGAGCAGCTGAAGTCCCATGAAAGCAAGCTGAAGCAGATCACCACTGAGCTGGCTGAGCAT
 CGCTCATATCCCCCAGACAAGAAGGTCAAAGCCAAGGATGTTGATGAGTACAAGCTGAAAGACCACTATC
 TGGAGTTCGAGAAAACCCGTTATGAGATTTATGTCAGCGTTCTGAAAGAAGGAGGCAAAGAGCTCCTGAC
 TACCGATGGAAATGAGCCCGTGGGACTGAAGAAGTCACTCAAGTCCCTCCCTCAACCCAGATGCATCT
 CCAGTCACTGCCAAGGTCAAGCGCAACGTGTCAGAGAGAAAAGACCACCGACCTGAAACACCGGGCATT
 AGCAAAAAGTTACT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216522 representing NM_030263
 Red=Cloning site Green=Tags(s)

MGIIMCLICYCRDRCF AEGKTTGVDAGSEMSTDILEKETTESLSNGTNSNVEAAKRLAKRLYHLDRFK
 RSDVAKHLGKNEFSKLVAEEYLKFFDFTGMLDQSLRYFLKAFSLVGETQERERVL IHF SNRYFSCNPD
 TITSKDGVHCLTCAMMLLNTDLHGHNIGKMTQCEFITNLQGVNEGDFSKDLLKALYNSIKNEKLEWAV
 DDEEKKSPSEGTDEKANGTHPKTISRIGSTTNPFLDIPHPNAAVYKSGFLARKIHADMDGKKTPRGKR
 GWKTFYAVLKGTVLYLQKDEYKPEKSLSDLEDLKNVSVHHALASKATDYEKPNVFKLKTADWRVLLFQT
 QSPEEMQGWINKINCVAAVFSAPPPAAIGSQKFSRPLL PATTTKLSQEEQLKSHEKSLKQITTELAEH
 RSYPPDKVKAKDVDEYKLDHYLEFEKTRYEIVSVLKEGGKELLTTDGNPVLGKKSHSSPSLNPDAS
 PVTAKVKRNVSERKDRHPETPGIKQKVT

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_030263
ORF Size:	1554 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:	<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:	NM_030263.5 , NP_084539.2
RefSeq Size:	9570 bp
RefSeq ORF:	1557 bp
Locus ID:	234353
UniProt ID:	Q2PFD7
Cytogenetics:	8 B3.2- B3.3
Gene Summary:	Guanine nucleotide exchange factor for ARF6.[UniProtKB/Swiss-Prot Function]