

## Product datasheet for **MR216522**

### **Psd3 (NM\_030263) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Psd3 (NM_030263) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Psd3
Synonyms:	4931420C21Rik; AI661273; BC003498; D430018P08; EFA6D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR216522 representing NM\_030263  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGTATTATAATGTGTCTCATCTATTGCTACTGTAGGGACCGTTGCTTTGCTGAGGGGAAAACAACAG  
 GAGTAGATGCTGGTTCTGAAATGGGAGACTGACATTCTGAAAAGGAGACCACAGAAAGTCTCAGCAA  
 TGGGACCAACAGCAATGTGGAAGCAGCTAAAAGATTGGCCAAACGCTTGTATCATCTAGACAGATTCAG  
 AGATCGGACGTTGCAAAACATCTAGGCAAAAACAATGAATTTAGCAAGCTAGTTGCAGAGGAGTATCTGA  
 AGTTTTTTGATTTACGGGGATGACGCTGGATCAGTCTCTCAGGTATTTTTTAAAAGCATTCTCTTTGT  
 GGGAGAAACCCAGGAGCGTGAGAGAGTATTAATACATTTTTCCAATAGATATTTTTCTTGAATCCAGAC  
 ACTATCACCTCAAAGATGGAGTTCATTGCCTCACCTGTGCTATGATGCTGCTCAACACAGATCTGCATG  
 GCCATAATATTGAAAAGAAGATGACTTGCCAGGAGTTCATTACAATCTCCAAGGAGTAAATGAAGTGG  
 GGATTTCTCCAAGGATCTTCTGAAAGCTCTGTACAACCTCAATCAAGAACGAGAAGCTTGAATGGGCAGTA  
 GATGATGAAGAGAAAAAATCCCCCTCAGAAGTACTGATGAGAAGGCTAATGGAACGCACCCAAAGA  
 CTATCAGTCGTATTGGGAGTACAACGAACCCATTTTTGGACATTCCTCATGACCCGAATGCTGCTGTATA  
 CAAAAGTGGATTTTTGGCTCGTAAAATCCACGCAGACATGGATGGAAAAGAAGACTCCAAGAGGAAAAGCGA  
 GGATGGAAAACCTTTTATGCTGTCTGAAGGGAACCGTTCTTTACTTACAGAAGGATGAGTATAAGCCAG  
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 TGACTATGAGAAGAAGCCGAACGTGTTAAACTCAAGACTGCGGACTGGAGGGTCTTGCTTTTCAAACC  
 CAGAGTCCAGAGGAAATGCAAGGCTGGATAAACAATAAAGTGTGTGGCAGCTGTGTTTTCTGCACCGC  
 CTTTCCCAGCAGCCATTGGCTCTCAGAAGAAGTTAGCCGCCACTTCTGCCGCCACTACAACAATAAT  
 ATCCCAGGAGGAGCAGCTGAAGTCCCATGAAAGCAAGCTGAAGCAGATCACCACTGAGCTGGCTGAGCAT  
 CGCTCATATCCCCCAGACAAGAAGGTCAAAGCCAAGGATGTTGATGAGTACAAGCTGAAAGACCACTATC  
 TGGAGTTCGAGAAAACCCGTTATGAGATTTATGTGAGCGTTCTGAAAGAAGGAGGCAAAGAGCTCCTGAC  
 TACCGATGGAAATGAGCCCGTGGGACTGAAGAAGTCACTCAAGTCCCTCCCTCAACCCAGATGCATCT  
 CCAGTCACTGCCAAGGTCAAGCGCAACGTGTGAGAGAGAAAAGACCACCGACCTGAAACACCGGGCATT  
 AGCAAAAAGTTACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR216522 representing NM\_030263  
 Red=Cloning site Green=Tags(s)

MGIIMCLIYCYCRDRCF AEGKTTGVDAGSEMSTDILEKETTESLSNGTNSNVEAAKRLAKRL YHLDRFK  
 RSDVAKHLGKNNEF SKLVAEYLYKFFDF TGMTLDQSLRYFLKAFSLVGETQERERVLIHFSNRYFSCNPD  
 TITSKDGVHCLTCAMMLLNTDLHGHNIGKMTQEFITNLQGVNEGGDFSKDLLKALYNSIKNEKLEWAV  
 DDEEKKKSPSEGTDEKANGTHPKTISRIGSTTNPFLDIPHPNAAVYKSGFLARKIHADMDGKKTTPRGKR  
 GWKTFYAVLKGTVLYLQKDEYKPEKSLSDEDLKNAVSVHHALASKATDYEKPNVFKLKTADWRVLLFQT  
 QSPEEMQGWINKINCVAAVFSAPFPAAIGSQKFSRPLL PATTTKLSQEEQLKSHEKSLKQITTELAEH  
 RSYPPDKVKAKDVDEYKLDHYLEFEKTRYEIYVSVLKEGGKELLTTDGNPVLGKKSHPSPSLNPDAS  
 PVTAKVKNVSRKDRHPETPGIKQKVT

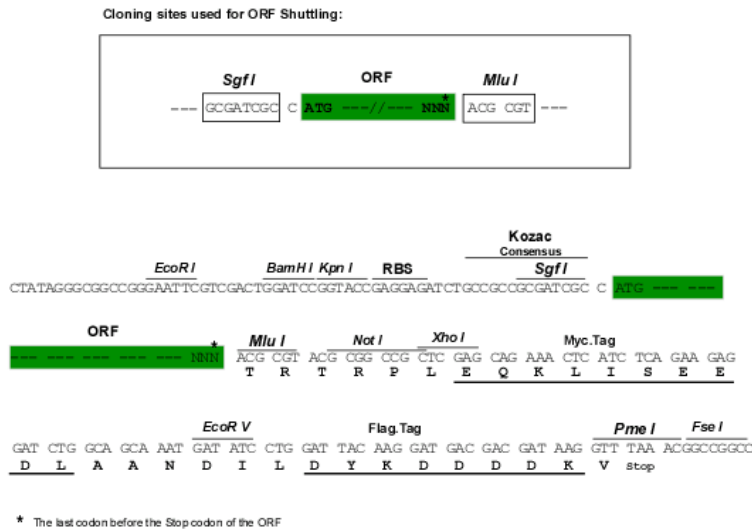
**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mm9064\\_h10.zip](https://cdn.origene.com/chromatograms/mm9064_h10.zip)

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**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:**
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

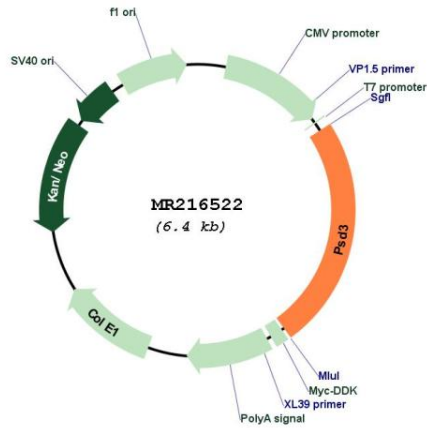
**UniProt ID:** [Q2PFD7](#)

**Cytogenetics:** 8 B3.2- B3.3

**MW:** 58.5 kDa

**Gene Summary:** Guanine nucleotide exchange factor for ARF6.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR216522