

## Product datasheet for **MC217363**

### **Psd3 (NM\_030263) Mouse Untagged Clone**

#### **Product data:**

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



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**Fully Sequenced ORF:** >MC217363 representing NM\_030263  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGTATTATAATGTGTCTCATCTATTGCTACTGTAGGGACCGTTGCTTTGCTGAGGGGAAAACAACAG  
GAGTAGATGCTGGTTCTGAAATGGGAGCACTGACATTCTGAAAAGGAGACCACAGAAAGTCTCAGCAA  
TGGACCAACAGCAATGTGGAAGCAGCTAAAAGATTGGCCAAACGCTTGTATCATCTAGACAGATTCAAG  
AGATCGGACGTTGCAAAACATCTAGGCAAAAACAATGAATTTAGCAAGCTAGTTGCAGAGGAGTATCTGA  
AGTTTTTTGATTTACGGGGATGACGCTGGATCAGTCTCTCAGGTATTTTTTAAAAGCATTTTCTTTGT  
GGGAGAAAACCCAGGAGCGTGAGAGAGTATTAATACATTTTTCCAATAGATATTTTTCTTGAATCCAGAC  
ACTATCACCTCAAAGATGGAGTTCATTGCCTCACCTGTGCTATGATGCTGCTCAACACAGATCTGCATG  
GCCATAATATTGAAAAGAAGATGACTTGCCAGGAGTTCATTACAAATCTCCAAGGAGTAAATGAAGTGG  
GGATTTCTCCAAGGATCTTCTGAAAGCTCTGTACAACCTCAATCAAGAACGAGAAGCTTGAATGGGCAGTA  
GATGATGAAGAGAAAAAATCCCCCTCAGAAGTACTGATGAGAAGGCTAATGGAACGCACCCAAAGA  
CTATCAGTCGTATTGGGAGTACAACGAACCCATTTTTGGACATTCCTCATGACCCGAATGCTGCTGTATA  
CAAAGTGGATTTTTGGCTCGTAAAATCCACGCAGACATGGATGGAAAAGAAGACTCCAAGAGGAAAAGCGA  
GGATGGAAAACCTTTTATGCTGTCTGAAAGGGAACCGTTCTTTACTTACAGAAGGATGAGTAAAGCCAG  
AGAAGTCTCTGTCCGATGAAGACTTGAAGAATGCGGTGAGTGTGCACCACGCTCTGGCGTCCAAGGCCAC  
TGACTATGAGAAGAAGCCGAACGTGTTAAACTCAAGACTGCGGACTGGAGGGTCTTGCTTTTCAAACC  
CAGAGTCCAGAGGAAATGCAAGGCTGGATAAACAATAAAGTGTGTGGCAGCTGTGTTTTCTGCACCGC  
CTTTCCAGCAGCCATTGGCTCTCAGAAGAAGTTTAGCCGCCACTTCTGCCAGCCACTACAACAAAATT  
ATCCCAGGAGGAGCAGCTGAAGTCCCATGAAAGCAAGCTGAAGCAGATCACCACTGAGCTGGCTGAGCAT  
CGCTCATATCCCCCAGACAAGAAGGTCAAAGCCAAGGATGTTGATGAGTACAAGCTGAAAGACCACTATC  
TGGAGTTCGAGAAAACCCGTTATGAGATTTATGTGAGCGTTCTGAAAGAAGGAGGCAAAGAGCTCCTGAC  
TACCGATGGAAATGAGCCCGTGGGACTGAAGAAGTCACTCAAGTCCCTCCCTCAACCCAGATGCATCT  
CCAGTCACTGCCAAGGTCAAGCGCAACGTGTCAGAGAGAAAAGACCACCGACCTGAAACACCGGGCATT  
AGCAAAAAGTTACTTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_030263

**Insert Size:** 1557 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**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

**Gene Summary:** Guanine nucleotide exchange factor for ARF6.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) lacks three 5' exons but contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and initiates translation from an alternate start codon, and it lacks a short in-frame exon in the central coding region, compared to variant 2. The encoded isoform (1) has a distinct N-terminus and is shorter than isoform 2.