

## Product datasheet for MR218027

### Psd3 (NM\_027626) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Psd3 (NM\_027626) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Psd3  
**Synonyms:** 4931420C21Rik; AI661273; BC003498; D430018P08; EFA6D  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR218027 representing NM\_027626  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATTGGCGTGAATAGTGTTTCAGAGTGCCAGCAAGGTACGGGTGAGGACCTCAGTTCTGTGAAGTACT  
CCCAGAGGATTCTATCCGGCGGCAGTCCACCGGTCAAAGTCTATGAAAATTTCCAACCTCTCAGATT  
TTCTGCTAAGGAGAGCAAGGCTCTGTACAACCTCAATCAAGAACGAGAAGCTTGAATGGGCAGTAGATGAT  
GAAGAGAAAAAATCCCCCTCAGAAGTACTGATGAGAAGGCTAATGGAACGCACCCAAAGACTATCA  
GTCGTATTGGGAGTACAACGAACCCATTTTTGGACATTCTCATGACCCGAATGTGCTGTATACAAAAG  
TGGATTTTTGGCTCGTAAATCCACGCAGACATGGATGGAAAGAAGACTCCAAGAGGAAAGCGAGGATGG  
AAAACCTTTTATGCTGTCCTGAAGGGAACCGTTCTTTACTTACAGAAGGATGAGTATAAGCCAGAGAAGT  
CTCTGTCCGATGAAGACTTGAAGAATGCGGTGAGTGTGCACCACGCTCTGGCGTCCAAGGCCACTGACTA  
TGAGAAGAAGCCGAACGTGTTTAACTCAAGACTGCGGACTGGAGGGTCTTGCTTTTCCAAACCCAGAGT  
CCAGAGGAAATGCAAGGCTGGATAAACAATAAAGTGTGTGGCAGTGTGTTTTCTGCACCGCCTTTCC  
CAGCAGCCATTGGCTCTCAGAAGAAGTTTAGCCGCCACTTCTGCCAGCCACTACAACAAAATATCCCA  
GGAGGAGCAGCTGAAGTCCCATGAAAGCAAGCTGAAGCAGATCACCACTGAGCTGGCTGAGCATCGCTCA  
TATCCCCCAGACAAGAAGGTCAAAGCCAAGGATGTTGATGAGTACAAGCTGAAAGACCACTATCTGGAGT  
TCGAGAAAACCCGTTATGAGATTTATGTCAGCGTTCTGAAAGAAGGAGGCAAAGAGCTCCTGACTACCGA  
TGGAAATGAGCCCGTGGGACTGAAGAAGTCACTCAAGTCCCTCCCTCAACCCAGATGCATCTCCAGTC  
ACTGCCAAGGTCAAGCGCAACGTGTCAGAGAGAAAAGACCACCGACTGAAACACCGGCCATTAAGCAA  
AAGTTACT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR218027 representing NM\_027626  
 Red=Cloning site Green=Tags(s)

MIGVNSVQSASKVVRVRTSGSVKYSREDSIRRQSHRSKSMKISNSSEFSAKESKALYNSIKNEKLEWAVDD  
 EEKKKSPSEGTDEKANGTHPKTISRIGSTTNPFLDIPHPNAAVYKSGFLARKIHADMDGKKTPRGKRGW  
 KTFYAVLKGTVLYLQKDEYKPEKSLSDLDLKNVSVHVALASKATDYEKKPNVFKLKTADWRVLLFQTQS  
 PEEMQGWINKINCVAAVFSAPPPFAAIGSQKKFSRPLLPAATTTKLSQEEQLKSHEKSLKQITTELAEHRS  
 YPPDKVKAKADVDEYKLDHYLEFEKTRYEIYVSVLKEGKELLTTDGNPEVGLKKSHPSPSLNPDASPV  
 TAKVKNVSRKDRPETPGIKQKVT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

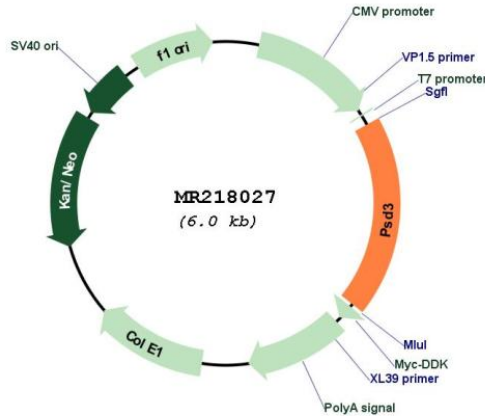
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_027626

<b>ORF Size:</b>	1128 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_027626.1</a> , <a href="#">NP_081902.1</a>
<b>RefSeq Size:</b>	9228 bp
<b>RefSeq ORF:</b>	1131 bp
<b>Locus ID:</b>	234353
<b>UniProt ID:</b>	<a href="#">Q2PFD7</a>
<b>Cytogenetics:</b>	8 B3.2- B3.3
<b>MW:</b>	42.7 kDa
<b>Gene Summary:</b>	Guanine nucleotide exchange factor for ARF6.[UniProtKB/Swiss-Prot Function]