

Product datasheet for **MC223189**

Psd3 (NM_177698) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psd3 (NM_177698) 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
Fully Sequenced ORF: >MC223189 representing NM_177698
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGGTAAGTCTGGAGCTACAGTAATCTCTGTGATCATGGAGGAAGCACTTTACTCCCACCGACTGTCA
CAAATGAATTTCCAGAATATGGGACCATGGAAGAAGGAGGGGAAGGCCTCAGAGCCTCTCTAGACTTTGA
TGCAAAGTCTCCACCATGCCGCTTGCTGGGCAGCAGGCAGTCCACCTTCTTGCGGGACAAGACTCTATA
CTTAACAGTGTTACAGAAGGACCAACGACGCCCCACAGTGTACCCCTCAGGAACAAAGTTTACAACCCA
TCGACTCTTTAATTTCTGCTCTGAAAGCTACGGAAGCCAGAATAGCTTCAGGAACATTTCAAGCTACAAA
GGTACTGGACAAAGATGCTAACTTTTTCAGTTTACCAGGTGGATAAAGAAGTACTGAGTACTGCCAGTCATAAG
CCACAGAGAGCCCATAGAACATTTCTGTTGGCCAGGAAAATCACCAGATATACCTCTTTCAGCGGAAG
TACCAACGGAGGAAAACCTGTCTTTGCACATCCAGGAGGATCTGTCTGCACTCTTACCTGAAGAAGCTCA
AGCACATCGGTCCCAGATAACTAATTACAGGAGGCAGGGCCCTCCCGTGTGCCAGAGTCAGCATGTCCT
GTGTCTCAAGCTCAGCAGGGAGCCATAACCCTGTGGACAGAGTTGGTGCCTTAAAGAGAGCAGAGGTCTG
ACCTTGGAAAGAGAGCACCTAGAGGCTATGATCGGGAGGCTCCATGGGGCCCAAGGCCGATCAAACA
TGTAAGATTTCAAGGAGTAGAGACTGTGGACAGGAGAGGAGGCTGAGAGCCGACATCCACAGAAAGG
ACAGCCTCGCCTGTGAGCAAGGAGTTTGCCAAACGGCCAAGTCATTCTAGCCAGCTTGTGGTGTGTGTA
GCACCTCCACTATTTAACTGGGGATGTTTGGGATGAACTTGCAAAGCCCTTCCGAAAGGCCGGGCAC
AAGCGCAGGCACACTGTCCCCTATGCCTCTCGGTGAGAGTGGAGAGGATGACGTCTTTCTGAGAGAAAGC
AAAGAACACCTTGAGGAGAACTTGTCTATACAGGGAGACAAAGAAAGGATTCTCGATCAAGAGGAGCACC
TTAGGGGAGATGATGATATTCTTGGCCTGGATATACGGAGGACTCCACTGATGTGTACAGCAGCCAATT
CGAAACTATTTTGACAACACTTCCTATACTACAGTGCAGAGTCATTAGAGACTGTATTGGAACCG
GATAGCTATTTAGCTTTGAAATGCCGTTACTCCAATGATACAGCAGCGCATTAAAGAAGCGGTCAGT
TCTTGGAGAGGACCTCTGTGGGAGGACAGCATGATGTGCTGAGTGTGTCAGCAGATGGTGGGATAGTGAT
GGGCTATTCTGCAGGGATCACCACGGATTGCACGATTCTGCCAACTCTGTCTACACCAGAGGCCCTCAA
GAGATTGCCTTCTGGGAAGTAGGGACCGTTGCTTGGTGTGAGGGGAAAACAACAGGAGTAGATGCTGGTT



CTGAAATGGGGAGCACTGACATTCTGGAAAAGGAGACCACAGAAAGTCTCAGCAATGGGACCAACAGCAA
 TGTGGAAGCAGCTAAAAGATTGGCCAAACGCTTGTATCATCTAGACAGATTCAAGAGATCGGACGTTGCA
 AAACATCTAGGCCAAAACAATGAATTTAGCAAGCTAGTTGCAGAGGAGTATCTGAAGTTTTTTGATTTC
 CGGGATGACGCTGGATCAGTCTCTCAGGTATTTTTAAAAGCATTCTCTTGTGGGAGAAACCCAGGA
 GCGTGAGAGAGTATTAATACATTTTTCCAATAGATATTTTTCTTGAATCCAGACACTATCACCTCAAAA
 GATGGAGTTCATTGCCTCACCTGTGCTATGATGCTGCTCAACACAGATCGCATGGCCATGTGAATATTG
 GAAAGAAGATGACTTCCAGGAGTTCATTACAAATCTCCAAGGAGTAAATGAAGGTGGGGATTTCTCCAA
 GGATCTTCTGAAAAGCTGTACAACCTCAATCAAGAACGAGAAGCTTGAATGGGCAGTAGATGATGAAGAG
 AAAAAAAAAATCCCCCTCAGAAGTACTGATGAGAAGGCTAATGGAACGCACCCAAAGACTATCAGTCGTA
 TTGGGAGTACAACGAACCCATTTTTGGACATTCTCATGACCCGAATGCTGCTGTATACAAAAGTGGATT
 TTTGGCTCGTAAAATCCACGCAGACATGGATGGAAAGAAGACTCCAAGAGGAAAGCGAGGATGGAAAACC
 TTTTATGCTGCTGAAGGGAACCGTCTTTACTTACAGAAGGATGAGTATAAGCCAGAGAAGTCTCTGT
 CCGATGAAGACTGAAGAATGCGGTGAGTGTGCACCACGCTCTGGCGTCCAAGGCCACTGACTATGAGAA
 GAAGCCGAACGTGTTAAACTCAAGACTGCGGACTGGAGGGTCTTGCTTTTCAAACCCAGAGTCCAGAG
 GAAATGCAAGGCTGGATAAACAATAAAGTGTGTGCGAGCTGTGTTTTCTGCACCGCTTTCCAGCAG
 CCATTGGCTCTCAGAAGAAGTTTAGCCGCCACTTCTGCCAGCCACTACAACAAAATTATCCAGGAGGA
 GCAGCTGAAGTCCCATGAAAGCAAGCTGAAGCAGATCACCACTGAGCTGGCTGAGCATCGCTCATATCCC
 CCAGACAAGAAGGTCAAAGCCAAGGATGTTGATGAGTACAAGCTGAAAGACCACTATCTGGAGTTCGAGA
 AAACCCGTTATGAGATTTATGTCAGCGTCTGAAAGAAGGAGGCCAAAGAGCTCCTGACTACCGATGGAAA
 TGAGCCCGTGGGACTGAAGAAGTCACTCAAGTCCCTCCCTCAACCCAGATGCATCTCCAGTCACTGCC
 AAGGTCAAGCGCAACGTGTCAGAGAGAAAAGACCACCGACCTGAAACACCGGGCATTAAAGCAAAAAGTTA
 CTTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_177698
- Insert Size:** 3015 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_177698.4](#), [NP_808366.2](#)
- RefSeq Size:** 11334 bp
- RefSeq ORF:** 3015 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 (2) represents the longest transcript and encodes the longest isoform (2).