

Product datasheet for MC223169

Psd4 (NM_177611) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Psd4 (NM_177611) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Psd4
Synonyms:	BC046518; EFA6B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223169 representing NM_177611 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGGGGACCACTCAGACCCATGGAATGTCTCAATATTTGCTTGAAGACAACTTACAACCCTGTC
CAGAAGCATATCCAAGTAAAATACATGGCCATCCAGGCCCTTCTGAACCTTGCCAGGAACATACCTGTCC
GTTTGACCCCCAGAATCTGCCAGACCTGATGCTCCTCATGGTAACTCTGGTGTGGAGTCCACTCATCTA
GAAAAGTCTTGGTGCAGGTACAGGCTAGGCAGGCCTCAGCATCACTGAGGTCACTGGAGGACAACAGCT
CTTTGGGGAGTCCACAGCAAAACAGAGCTCATCCACCCAGGTGGTATTCTGGGCTGGCATCCTGCAGGC
CCAGATGTGTGCTTGGACCTGGAGGAGGAGCTGGAGAAAACAGAGGGACTCAGAGCAGAACTCAGGTGC
TGCATCCACACCCTCTAAGGACCTCCTTGGAGATGAAGGTCTGAGCCCCAGCCGACCCGAGGAGGATG
AAGACTCTGGAGATGACAGCAGTGGCCCTGAGGAGGAGAACAGACCTGGCCAAGGGAGAAAAATCCAGG
CTCCTCCCTAGAGTGGGGTGCTGAGGAGGACAGTATCTTCTTTGATAATCCCTCTTCTGGAGAGCCCT
TGCTCAGACACCAGCACTGAAGGAGAATGCTTTTCTGGGGTACCCGAATCCACCCAGACATGAAGA
CCTGGCATCAGAGCCCTCAAACCTCTGGACTCTCCTCTCCAAAAGGCACAGGGCTCTGGAGGCAAGAAAA
TGAGCTGGATTTGGGGAGCGACACTGCTGACCATGGTGGGTGTTCCACCCCTCCATTCCCTGTGCCTCC
TATAAGATGCACCCTGCTTGGCCTTAGGATCCACTGAAGGGATCCACGGTACCTCCTGATCAGGAGG
GTGAGACTTCTTGAAGATGATCTTGGCCATGGCTCACCTAAAGCACCTTTGTAGACCATGAATTGAT
CCAAGAATCAGATAAATTTGAATTTGACCTTAGACCTGCCACAACACATCCTGTACAGCCTTGGGGTTCA
CAGACATCCCAAAGCCTTTCTGACCTGACTCAACCATACTTGAAGACCTGCAGAGAGAAGATCCTTCCA
GGTCCCAGGAACTTTATCTCCAGAACAGAGGTGAGAGGGATGCTGGCTGTTTCCAGGAGCCCGTGT
CTGCATTTGGCCCCCTGGGGAGCCAAACCTCTTACTGGAGCCTAACTGCCAGAATCTGAGGGTAGA
GGCTCTGGCCCCAGCCAGCCAGTGTCTTCCAGGATAGCAGCCACGGGTTCTGCTGCACAGCCCCA
AGTGGCCACAAGATGCCTCACACCTTCTCCAGAAGGATAGATCAGAGTTGAGCTCCCTAAAGGAAGAGGA
GACAGAGGAGGTCCAAAGCCTGAGGCAGGAGGCAGAATGTGAAGATACATCCAGAAGTGAAGATGCTTCA
GCCAACAGCACCATGTTCACTTGGCTTCTGCAGAAGGGCTTCTGAGAGCCCCATGCCCAAGCTCAAT



CTCCAGAGGAAGGCTGGAGGCCATCATCGTCTAGAGAGAAGTTGGCTAATGACATCAGAAATGACAAGGG
 AGCATGGAACCTAGCCCTGCGCCTCTATCAACTGAATGGTTTTCGGAAGTCTGAAGTAGCTGCCACCTA
 CGCAAGAACAATGACTTCAGCAGGGCTGTAGCCGAGGCCACTTGTCTTTTCCAGTTCGAAGGTCAGA
 GCCTGGACAGAGCCCTCCGTGGTTTTCTCCAGGCCCTGGTGCTCAGTGGAGAGACTCAGGAGCGGGAACG
 AATTCTCTACCAGTTTTCCAACGTTTTCCATTACTGCAATCCTGGAGCCTCCCCCTCAGTAGATTCTGTT
 CACACGTTGACCTGTGCAATCATGCTCCTTAACACAGACCTACATGGGCAGAACATTGGCAAGGCATGA
 GCTGTACAGGAATTTGTAACCAACTTGAATGGCCTGCAGGATGGCAGGAACCTCCCAAGAGCTGTGAA
 GGCCCTCTACTGGTCTATCCGCAGTGAGAAGCTCGAATGGGCTATAGATGAAGAAGATGCAGACAGACC
 GAGAAGGACCAACCCTCTCCCTCAGCTGGCAAGATAAGCAGCCCTTCTGCAGATGGCTCAGGATCCCA
 CGATGCCACCTATAAGCAGGGCATTCTGGCTCGGAAGATGCATCACATTGCTGATGGCAAGAAGACTCC
 ATGGGGCAAACGAGGCTGGAAGATGTTTCACACCTTACTGAGAGGGATGGTCTCTACTTCTGAAGGGA
 GAGGGCAATGGCTGGATGGAGAGATTTGGTAGGACATATGGTGGATGAGCCTGTGGGAGTACCCACT
 CACTAGCCAGCCAGCCACCCACTACCCAAGAAGCCACATGTCTCCAGCTTCGGACTGCAGACTGGCG
 TCTCTACCTCTCCAGGCACCTACTGCCAAGAAATGGCTTCTGGATTGCGGAATCAACTGGCGGCT
 GCCACCCACTCAGCACCTCTTTCCGGCTGCAGTGGGCTCCCAACGCAGATTCTGTGAGGCCATCTGTC
 CCATGAGCCCGGTGCAGAGCTCCCTGGAGGAGCAGCATCGATCCACGAGAACTGCCTGGATGCTGCCTC
 AGATGACCTGTTGGATTTGCAGAGGAACCTGCCGGAGCGACGGGGCCGCAGCCGCGAGCTGGAGGAATAC
 CGCTTACGGAAGGAGTATCTGGAGCAGGAAAACCTCGATATGAGACCTACGTACAGCTTCTGGTGGCC
 GCCTACACTTCCCTTTGGGGACCTGGCTCTGTGGGAAGATCAGCTTGGGAAGGAAAACGACGGTTCTCA
 GGAGCCCAGGCCAAGCCTGAAGAAGTCCCACTCAAGCCCATCACTGCACCAGGAGGAGGCCCCACCACA
 GCCAAGGTGAACGCAACATCTCAGAGCGCAGAACCTACCGGAAGATCATTCCCAAGAGGAACCGCAATC
 AGCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_177611
- Insert Size:** 3018 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_177611.3](#), [NP_808279.1](#)
- RefSeq Size:** 4700 bp
- RefSeq ORF:** 3018 bp

Locus ID: 215632

UniProt ID: [Q8BLR5](#)

Cytogenetics: 2 A3

Gene Summary: Guanine nucleotide exchange factor for ARF6 and ARL14/ARF7. Through ARL14 activation, controls the movement of MHC class II-containing vesicles along the actin cytoskeleton in dendritic cells. Involved in membrane recycling. Interacts with several phosphatidylinositol phosphate species, including phosphatidylinositol 3,4-bisphosphate, phosphatidylinositol 3,5-bisphosphate and phosphatidylinositol 4,5-bisphosphate (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. All three variants encode the same protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.