

## Product datasheet for **RN213303**

### **Psd2 (NM\_001107395) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Psd2 (NM_001107395) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Psd2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN213303 representing NM\_001107395  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGAAGAAAAGCTCCCAAGTGATCTGCACAAGGAAGAGGGTGTATCCAGGACCACAGCCTGGAGC  
 CTGAAGAGGGTCTGGGGTTCAGAATGGAACAGCAGCCAGCGAAAAGCCTCAACAGCCACGTCATCAGTCC  
 AGTCAGCGAGAAGACAGGCACCTTAGAGGGCACCATGGAGCCCGTGGCAACCCAGACGTGGCCCTGCCT  
 GGCCTTAGCCTCTCTTTGACCAATGGCCTGGCTTTGGGGCAGGATGGAAACATTCTGGAAGATTCTGTAG  
 AATCTAGGCCCTGGAGAGCAAGTGGACCAGCAGAGGAGGATACCCCTAGGAGTCTCTGTCTAGATGC  
 TGAGGACACTCAGCTGGGGCTGGATTGTCCTGGCGAACCGGATGTGCGGGATGGCTTCAGTGCCACTTTC  
 GAGAAGATTCTGGAGTCGGAGCTATTGCGGGGCACCCAGTATAGCAGCCTGGACTCACTCGATGTGCTGA  
 GTCTCACTGACGAGAGTGATAGCTGTGTCAGCTTTGAGGCTCCCCTGACACCCCTCATCCAGCAACGGGC  
 TCGAGACAGCCCTGAGCCAGCAGGGCTGGGCATTGGAGACATAGGGCCTGAAGGGGACCTGGGGGACGT  
 GGTGGTGGTGTATGGGAACTGGGCACTCCCTGCGGGCGTCCATCTCTAGCAGCCGCTCGGAGAATGTCT  
 TGAGCCACCTGTCTCTCACATCGATGCCAATGGGTTCCATGAAGATGAGCCTGGGGGCTCAGGAGGGGA  
 TGATGAGGATGATGAGGACACGGACAAGGTGCTGAACTCTGCCAGTGACACCAGCCTTAAGGACGGTCTG  
 TCGGACTCGGACTCAGAGCTGAGCAGCTCTGAGGGGCTGGAGCCTGGCAGCACGGATCCAATGGCCAATG  
 GGTGCCAGGGGGTCAGCGAAGCCGCTCGCCGGCTGGCAGCAGCCCTTACCACCTGAAGGCTTCCAGCG  
 CTGTGACGTGGCCCGCAGCTGGGCAAAAACAATGAGTTCAGCAGGCTGGTGTGGGGAGTACCTCAGT  
 TTCTTCGACTTCTCAGGCCTCACTTTGGACAGAGCACTCAGAACCTTCTGAAGGCCTTCCACTGATGG  
 GGGAGACAGGAACGAGAACGAGTCTTACCCACTTCTCCCCTGGTACTGCCAGTGAACCCAGACGA  
 CAGCACGTCGGAAGATGGGATCCACACGCTCACCTGTGCCCTGATGCTGCTCAACACAGACCTGCACGGA  
 CATAACATTGGCAAGAAGATGTCTGCCAGCAATTCATTGCCAATTGGACCAGCTGAATGATGGACAAG  
 ACTTTGCCAAAGACCTTTTGAAGACGCTTTACAACCTCCATCAAGAATGAAAAGCTGGAATGGGCCATTGA  
 TGAGGATGAGCTGAGAAAATCCCTGTCTGAGCTGGTGGATGACAAGTTTGGGACAGGCACAAAGAAGGTG  
 ACTCGGATCTTGGACGGTGGCAATCCATTCTGGATGTCCACAGGCCCTCAGTGCCACCACCTACAAGC  
 ATGGTGTGCTGACCCGGAAGACTCATGCTGACATGGACGGCAAGAGGACTCCCCGAGGGAGGCGTGGCTG  
 GAAGAAATTTACGCGGTGCTCAAAGGGACCATCTGTACCTGCAGAAGGATGAATACAGGCCTGACAAG  
 GCTCTGTCCGAGGGGACCTGAAGAACGCCATCCGTGTGCATCACGCTCTGGCCACCAGGGCTTCTGACT  
 ACAGTAAGAAGTCCAACGTGCTCAAGCTGAAGACAGCCGACTGGAGGGTCTTCTCTTCCAGGCACCGAG  
 CAAGGAAGAGATGCTGTCTGGATCCTGAGGATCAACCTAGTAGCTGCCATCTTCTCAGCACCTGCCTTC  
 CCAGCAGCCGTACGCTCCATGAAGAAGTTTGTGACCCCTCCTGCCCTCCTGTACCCTCGCTTCTGCC  
 AGGAGGAGCAGCTGCGGTCCCATGAGAATAAGTTGAGGCAGGTGACTGCAGAGCTGGCTGAGCACAGGTG  
 TCACCCACTGGAGAGAGGCCCTCAAGTCAAAGGAAGCGGAGGAATATCGGCTGAAGGAACACTATCTCACG  
 TTTGAGAAAAGCCGTTATGAGACCTATATCCACCTACTGGCTGTGAAAATCAAAGTGGGCTCAGATGACC  
 TGGAGCGGATTGAGGCTCGGCTGGCTACTCTAGAAGGGGAAGACCCAGCTCTCCGAAAACACACTCAAG  
 CCCTGCTCTGAGCCTGGGCCATGGGCCTGTGACTGGCAGCAAAGCCGCAAAGGATGCCTCTGCCTCCGAT  
 ACTTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001107395  
**Insert Size:** 2316 bp

<b>OTI Disclaimer:</b>	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).
<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>	<u><a href="#">NM_001107395.1</a></u> , <u><a href="#">NP_001100865.1</a></u>
<b>RefSeq Size:</b>	4397 bp
<b>RefSeq ORF:</b>	2316 bp
<b>Locus ID:</b>	307500
<b>Cytogenetics:</b>	18p11