

Product datasheet for **RR213303**

Psd2 (NM_001107395) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR213303 representing NM_001107395
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGAAGAAAAGCTCCCAAGTGATCTGCACAAGGAAGAGGGTGTATCCAGGACCACAGCCTGGAGC
 CTGAAGAGGGTCTGGGGTTCAGAATGGAACAGCAGCCAGCGAAAAGCCTCAACAGCCACGTCATCAGTCC
 AGTCAGCGAGAAGACAGGCACCTTAGAGGGCACCATGGAGCCCGTGGCAACCCAGACGTGGCCCTGCCT
 GGCCTTAGCCTCTCTTTGACCAATGGCCTGGCTTTGGGGCAGGATGGAAACATTCTGGAAGATTCTGTAG
 AATCTAGGCCCTGGAGAGCAAGTGGACCAGCAGAGGAGGATACCCCTAGGAGTCTCTGTCTAGATGC
 TGAGGACACTCAGCTGGGGCTGGATTGTCCTGGCGAACCGGATGTGCGGGATGGCTTCAGTGCCACTTTC
 GAGAAGATTCTGGAGTCGGAGCTATTGCGGGGCACCCAGTATAGCAGCCTGGACTCACTCGATGTGCTGA
 GTCTCACTGACGAGAGTGATAGCTGTGTCAGCTTTGAGGCTCCCCTGACACCCCTCATCCAGCAACGGGC
 TCGAGACAGCCCTGAGCCAGCAGGGCTGGGCATTGGAGACATAGGGCCTGAAGGGGACCTGGGGGACGT
 GGTGGTGGTGTATGGGAACTGGGCACTCCCTGCGGGCGTCCATCTCTAGCAGCCGCTCGGAGAATGTCT
 TGAGCCACCTGTCTCTCACATCGATGCCAATGGGTTCCATGAAGATGAGCCTGGGGGCTCAGGAGGGGA
 TGATGAGGATGATGAGGACACGGACAAGGTGCTGAACTCTGCCAGTGACACCAGCCTTAAGGACGGTCTG
 TCGGACTCGGACTCAGAGCTGAGCAGCTCTGAGGGGCTGGAGCCTGGCAGCACGGATCCAATGGCCAATG
 GGTGCCAGGGGGTCAGCGAAGCCGCTCGCCGGCTGGCAGCAGCCCTTACCACCTGAAGGCTTCCAGCG
 CTGTGACGTGGCCCGCAGCTGGGCAAAAACAATGAGTTCAGCAGGCTGGTGTGGGGAGTACCTCAGT
 TTCTTCGACTTCTCAGGCCTCACTTTGGACAGAGCACTCAGAACCTTCTGAAGGCCTTCCCACTGATGG
 GGGAGACAGGAACGAGAACGAGTCTTACCACCTTCTCCCGCGGACTGCCAGTGTAAACCCAGACGA
 CAGCACGTCGGAAGATGGGATCCACACGCTCACCTGTGCCCTGATGCTGCTCAACACAGACCTGCACGGA
 CATAACATTGGCAAGAAGATGTCTGCCAGCAATTCATTGCCAATTGGACCAGCTGAATGATGGACAAG
 ACTTTGCCAAAGACCTTTTGAAGACGCTTTACAACCTCCATCAAGAATGAAAAGCTGGAATGGGCCATTGA
 TGAGGATGAGCTGAGAAAATCCCTGTCTGAGCTGGTGGATGACAAGTTTGGGACAGGCACAAAGAAGGTG
 ACTCGGATCTGGACGGTGGCAATCCATTCCTGGATGTCCACAGGCCCTCAGTGCCACCACCTACAAGC
 ATGGTGTGCTGACCCGGAAGACTCATGCTGACATGGACGGCAAGAGGACTCCCCGAGGGAGGCGTGGCTG
 GAAGAAATCTACGCGGTGCTCAAAGGGACCATCTGTACCTGCAGAAGGATGAATACAGGCCTGACAAG
 GCTCTGTCCGAGGGGACCTGAAGAACGCCATCCGTGTGCATCACGCTCTGGCCACCAGGGCTTCTGACT
 ACAGTAAGAAGTCCAACGTGCTCAAGCTGAAGACAGCCGACTGGAGGGTCTTCTCTTCCAGGCACCGAG
 CAAGGAAGAGATGCTGTCTGGATCCTGAGGATCAACCTAGTAGCTGCCATCTTCTCAGCACCTGCCTTC
 CCAGCAGCCGTACGCTCCATGAAGAAGTTTGTGACCCCTCCTGCCCTCCTGTACCCTCGCTTCTGCC
 AGGAGGAGCAGCTGCGGTCCCATGAGAATAAGTTGAGGCAGGTGACTGCAGAGCTGGCTGAGCACAGGTG
 TCACCCACTGGAGAGAGGCCCTCAAGTCAAAGGAAGCGGAGGAATATCGGCTGAAGGAACACTATCTCACG
 TTTGAGAAAAGCCGTTATGAGACCTATATCCACCTACTGGCTGTGAAAATCAAAGTGGGCTCAGATGACC
 TGGAGCGGATTGAGGCTCGGCTGGCTACTCTAGAAGGGGAAGACCCAGCTCTCCGAAAACACACTCAAG
 CCCTGCTCTGAGCCTGGCCATGGCCCTGTGACTGGCAGCAAAGCCGCAAAGGATGCCTCTGCCTCCGAT
 ACT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR213303 representing NM_001107395
 Red=Cloning site Green=Tags(s)

```
MDEEKLPSDLHKEEGAIQDHSLEPEEGPGVQNGTAAESLNSHVISPVSEKTGTLEGTMPEVGNPDVALP
GLSLSLTNGLALGQDGNILEDVSRPWRASGPAEEEDTPRSLCLDAEDTQLGLDCPGEPDVRDGF SATF
EKILESELLRGTQYSSLDLSDVLSLTDSDSCVSFEAPLTPLIQQRARDSPEPAGLGIGDIGPEGDLGAA
GGGDGELGSPLRRISSSRSENVLSHL SLTSMPNGFHEDEPGGSGGDEDEDTDKVLNSASDTSKDG
SDSDSELSSSEGLEPGSTDPMANGCQGVSEAARRLARRLYHLEGFQRCDVARQLGKNNEFSRLVAGEYLS
FFDFSGLTLDRALRTFLKAFPLMGETQERERVLTHFSRRYCQCNPDSTSEDGIHTLTCALMLLNTDLHG
HNIGKMKSCQQFIANLDQLNDGQDFAKDLLKTLYNSIKNEKLEWAIDEDELRSKLSLVDDKFGTGKVV
TRILDGGNPF LDV PQALSATTYKHGVLTRKTHADMGKRTPRGRGWKFFYAVLKGITILYLQKDEYRDK
ALSEGDLKNAIRVHHALATRASDYKSNVLKKTADWRVFLFQAPSKEEMLSWILRINLVAAIFSAFAP
PAAVSSMKKFCRPLLPSCCTTRFCQEEQLRSHENKLRQVTAELAEHRCHPLERGLKSKEAEEYRLKEHYLT
FEKSRYETIYHLLAVKIKVGSDDLIERIARLATLEGEDPALRKTHTSSPALSLGHGPVTGSKAAKASD
T
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001107395

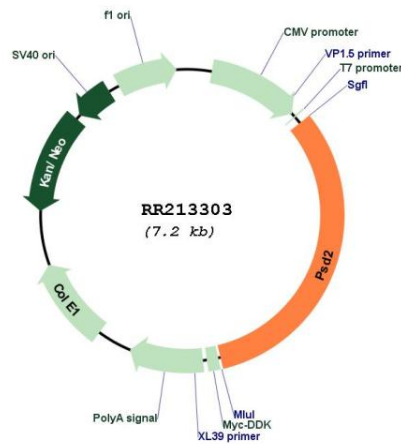
ORF Size: 2313 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<ol style="list-style-type: none"> 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:	<u>NM_001107395.1, NP_001100865.1</u>
RefSeq Size:	4397 bp
RefSeq ORF:	2316 bp
Locus ID:	307500
Cytogenetics:	18p11
MW:	84.6 kDa

Product images:



Circular map for RR213303