

Product datasheet for **RR200987**

Psd4 (NM_001134881) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Psd4 (NM_001134881) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Psd4
Synonyms: MGC124698
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR200987 representing NM_001134881
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGGGGACACCTCAGACCCATGGAATTTCTCAATATTTGCTTGAAGACAACCTACAGCCCCATC
CAGAAGCATATCCAAGTGAAGTGCATGGCCATCCGGGCCCTTCTGAACCTTGCCAGGAACATACTTGGCC
ATTTGACCCCCCTGAATCTGCCAGGCCTGATGCTCATCATGGCGACTCTGATGTGAACCCAGTCACCTG
GGAAACCGCCTGGTGCATGGGGAGGCCAGCCAGGCCCCAGCATCATCGAGGTCCTAGAGGACAACAGCT
CTCTGGGGAGTCCACAGCAGAACCGGAGCTCATCCACCCAGGTGGTATTCTGGGCTGGCATCCTGCAGGC
CCAGATGTGTGCTTGGACCTGGAGGAGGAGCTAGAGAAAACAGAGGGACTCAAAGCAGGACTCAGATGC
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AAGACTCTGGGGATGACAGCAGTGGTCTGAGGAAGAGAACCAGACCTGGCCAAAGAAGAAAATGCCAGG
CTCCTCCCCAGAGTGGGGTGCTGAGGAGGACAGCATCTTCTTTGATAATCCCCTTCTCTGGAAAGCCCT
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TGATCTGGATTTGGGGAGCAACACTGCTGACCATAGTAGGTGCTCCACCCCTCCATTCCCTGTGCCTTCC
TATAAGATGCACCCCTGCTTGGCCTTAGGATCCACTGAAGGAGCTCCCATAGTACCTCCTGATCAGGTGG
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CAGATACCCAAAGCCTTTCTGACCTGGCCCCACCCTTACATGAGGACCTGCAGGATCCTTCCAGGCCCC
AGAAGCCTTTATCTCCAGAACGGAGGTGAGAGGGATGCTGGCTGTTCCAGGAGCCCATGCTCTGCAC
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GACAGAGGAAGTCCCAAGCCTGATGCAGGAGGCAGAGTGTGAAGATACATCCAGAAGTGAAGATGCTTCA
GTCACCGAGCACCATGTTCACTTGGCTTCTGCAGAAGGACTTCTGAGAGCCCCATGCCCCAGAGGAAG



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CTCAATCCCCAGAGGAAGACTGGAGGCCATCACCATCTAGAGAGAAGATGGCTAATAGCATCAGAAATGA
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 GACACCATGGGGCAAACGAGGCTGGAAGATGTTTCACACCTTACTGAGAGGGATGGTGTCTACTTCTG
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 GCAACCAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGTTTAA

Protein Sequence:

>RR200987 representing NM_001134881
 Red=Cloning site Green=Tags(s)

MMGDHLRPMFLNICLEDNLQHPPEAYPSEVHGHPGPSEPCQEHTWPFDPPE SARPD AHHGSDSDVEPSHL
 GNRLVHGEASQAPASSRSL EDNSSLGSPQQNRSSSTQVVFWAGILQAQMCVLDLEEELEKTEGLKAGLRC
 CIPPPSKDFLGDVGLKPSRPKEDEDSGDDSSGSEENQTPWPKKMPGSSPEWGAEECSIFFDNPLFLESP
 CSDTSTEGECFSWGYPNSHLDMKTWPHRPQTLDSPLQEGTGLWTQENDLDLGSNTADHSRSTPPFPVPS
 YKMHPCLALGSTEGAPIVPPDQVGETSWEDDVGPGSPKAPSVDHEL IQESDNFGSDLRPATTHPVQPWGS
 QIPQSLSDLAPPLHEDLQDPSRPQKPLISQNGGERDAGCFQEPMLCTLAPWGSQASLLEPSCPESSGGRGS
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 VTEHHVHLASAEGLPESMPPEEAQSPEEDWRPSPSREKMANSIRNDEGAWNLLALRYQLNGFRKSEVAA
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 AAATHSAPPFPAAVGSQRRFVRPILPMGPAQSSLEEQRSHENCLDAASDLDLQRLPERRGRSRELE
 EYLRKEYLEHEKTRYETVYVQLLVARLHFPLKDLALWEDQLGNEADSCQEPRPSLKKSHSSPSLHQDEAP
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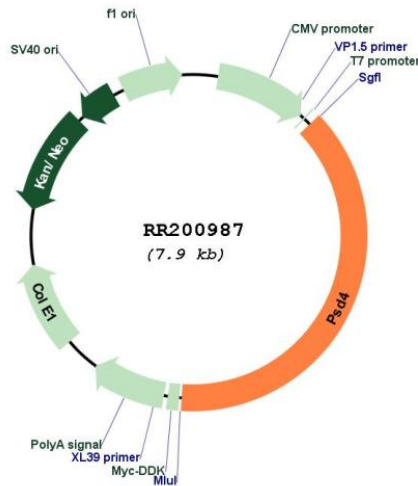
Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM_001134881

ORF Size: 3021 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_001134881.1</u> , <u>NP_001128353.1</u>
RefSeq Size:	4791 bp
RefSeq ORF:	3024 bp
Locus ID:	311785
Cytogenetics:	3p13
MW:	112.5 kDa