

Product datasheet for RN206411

Ptprk (NM_001029902) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ptprk (NM_001029902) Rat Untagged Clone
 Tag: Tag Free
 Symbol: Ptprk
 Synonyms: Rptpk
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >RN206411 representing NM_001029902
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGATGTGGCGGCGGGCGCTGCCTGCTTTTGTGGCGCTCTGGCTCCTGTCCCCGTGGCCTCTCCTGG
 GGTCCGTCGAAGGCCAGTTCTCAGCAGGTGGCTGCACTTTTATGATGATGGCCAGGGCCCTGCGACTACCA
 CCAGGATTTATACGATGACTTTGAGTGGGTCCATGTCAGTGCGCAGGAACCCATTACCTGCCCCCGAA
 ATGCCTCAAGGTTCTATATGGTTGTGGACTCCTCAAATCATGATCCTGGAGAGAAAGCCCGCTGCAGC
 TGCCCTACAATGAAGGAGAATGACTCACTGTATTGATTCAGCTACCTGTTGTACAGCCAGAAGGGCTT
 GAACCCGGGCACTTTGAACATCCTGTTAGGGTGAATAAAGGACCTCTCGCTAATCCAATTTGGAACGTG
 ACTGGATTCACTGGTCTGATTGGCTTCGGGCTGAGCTGGCTGTGAGCACCTTTTGGCCTAATGAATACC
 AGGTAATATTTGAAGCTGAAGTCTCAGGAGGGAGAAGTGTTATATTGCCATCGACGACATCCAAGTCTT
 GAGTTATCCTTGGCATAAGTCTCCTCATTTCTCCGCTGGGTGATGTGGAGGTCAATGCAGGGCAGAAT
 GCTACATTTAGTGATTGCTACAGGGAGAGATGCTGTACATAATAAGTTATGGCTGCAGAGACGCAATG
 GAGAAGACATACCTGTAGCCGAGCAAGAATCAATCACAGAAGATTTGCTGCCTCTTTCAGATTGCA
 AGAAGTGACAAAAACCGACCAGGATTTGTACCGCTGCGTAACTCAGTCAGAACGAGGTTCCGGGGTTTCC
 AATTTTGGCCAGCTTATTGTGAGAGAACCACCTAGACCCATCGCTCCTCCCCAGCTGCTTGGTGTGGGC
 CCACTTACTTGCTGATCCAATAAATGCCAACTCTATTATTGGCGATGGTCCCATCATCCTGAAAGAAGT
 CGAGTATCGAATGACGTGAGGATCTTGGACGAAACCCATGCCGTCAATGCTCCAACATAACAAGTTATGG
 CATTTAGATCCAGATACAGAATACGAGATTCGCGTCTGCTCACCAGACCTGGAGAAGGGGGAAGTGGAC
 TCCCAGGACCACCAATCACCAGAACCAAGTGTGCAGAACCCATGCGGACGCCAAAGACTTTGAAGAT
 TGCTGAAATCCAGGCAAGGCGCATCGCTGTGGACTGGGAGTCTTGGGCTACAACATCACGCGCTGCCAC
 ACTTTCAACGTACCATTTGCTACCATTACTTCCGAGGCCACAATGAGAGCAGGGCCGACTGCTTGGACA
 TGGACCCCAAAGCCCCTCAACACGTTGTAACCATCTGCCACCTTACACAATGTGAGCCTCAAGATGAT
 CCTAACCAACCCAGAGGGGAGGAAGGAGAGCGAAGAGACAATCATCCAGACTGATGAGGATGTGCCCGGG
 CCTGTGCCAGTCAATCCCTCCAAGGAACATCCTTTGAAAACAAGATCTTCTGAACTGGAAGAGCCAT



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TGGAACCAAATGGAATTACTACTCAGTATGAGGTGAGCTATAGCAGCATAAGGTCATTTGACCCTGCTGT
 CCCAGTGGCTGGGCCCCCGCAGACGGTATCCAATCTGTGGAACAGCACACACCATGTGTTTATGCATCTT
 CACCCTGGGACCACCTACCAGTCTTTCATAAGAGCCAGCACCGTCAAAGGCTTCGGGCCAGCCACAGCCA
 TCAACGTGACCACAAATATCTCAGCCCCAAGCTTACCTGACTATGAAGGCGTTGATGCCTCTCTGAATGA
 AACTGCCACCACCATCACTGTACTGTGAGACCTGCACAAGCCAAAGTGCCCAATCAGTGCTTATCAA
 ATTGTGGTGGAGCAGCTACCCACATCGGACCAAGCGTGAAGCCGGGACCATGGAATGCTACCGGGTAC
 CGGTTACGTACCAGAACTCCCTGAGTGGGGCGCACCCCTATTACTTTGCTGCAGAACTCCCCCTGGGAA
 TCTTCTGAGCCAGTCCCTTACCGTGGGCGACAACCGGACCTATAAAGGCTTCTGGAACCCCTCCCTG
 GCTCCCCGCAAAGGATACAACATCTATTTCCAAGCGATGAGCAGCGTGGAGAAGGAACTAAAAACCCAGT
 GTGTGCGAATTGCTACAAAAGCAGCAGCAACAGAAGAACCAGGAGTATCCAGACCCGGCGAAGCAGAC
 AGACAGGGTGGTAAAAATCGGGGCATCAGTGTGGCGTCTTAGTGTTTATTCTCTCTCTCTGTTGTC
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 TGACCCACATGGTGAATGCTATGGACCGGAGTTACGCTGATCAGAGCACCTGCATGCAGAAGACCCCT
 TTCCCTCACCTTCATGGACCAACATAAATTGAGTCCGAGATATGAAAACACAGTGCCACAGCAGAGTCT
 AGTCGTCTCTCGATGTCCCTCGATACCTCTGTGAAGGGACAGAGTCCCCTTACCAGACAGGACAGTGC
 ACCCAGCCATCAGGGTGGCCGACTTACTACAGCACATCAACCTCATGAAGACATCCGACAGCTATGGGTT
 CAAAGAGGAGTATGAGAGCTTCTTTGAAGGCCAGTCAGCCTCTTGGGACGTGGCTAAAAAGGACAAAAAC
 AGAGCAAAGAACCAGTACGGAAACATTATCGCATACGATCACTCCAGAGTCACTTTCAGCCCGTGGAGG
 ACGATCCTTCTCAGATTACATTAATGCCAACTACATCGATGGCTACCAGAGACCAAGCCACTACATTGC
 AACTCAAGGACCAGTTCATGAAACCGTGTATGATTTTTGGAGAATGGTATGGCAGGAGCAGTCAGCCTGT
 ATCGTGATGGTCACTAATTTAGTGAAGTTGGTGGGTGAAATGCTATAAATATTGGCCTGATGATACCG
 AGGTTTACGGTGACTTCAAAGTCACTGCGTGAATGGAACCACTTGTGAATACGTAGTTAGGACATT
 CACCTTGGAGAGGAGGGCTATAACGAAATCCGTGAAGTCAAACAGTTCCTTCACTGGCTGGCCCGAC
 CACGGTGTCCCCTACCACGCCACAGGGCTGCTGTCTTTATCCGAAGAGTCAAGCTGTCTAACCCCTCCA
 GCGCTGGGCCATTGTCGTACACTGCAGTGCAGGCTGCTGGGCGCACAGGCTGTTACATTGTTATTGACAT
 CATGCTGGACATGGCTGAAAGAGAGGGTGTGGTGCACATCTACAACGTGTGAAAGCCTTACGATCTCGC
 CGCATCAATATGGTCCAGACAGAGGAGCAGTACATTTTTTATTGATGATGCCATTTTAGAAGCCTGCTTAT
 GTGGAGAACTGCCATCCCTGTGTGCGAATTTAAAGCTGCATATTTTATGATGATTCGAATAGACTCTCA
 GACTAACTCCTCTCATCTCAAAGACGAATTTAGACTCTGAATTCGGTCAACCCCTCGACTACAAGCTGAA
 GACTGCAGCATAGCATGCCTGCCAAGGAACCACGACAAGAACCCTTTCATGGACATGCTCCACCTGACA
 GATGTCTGCCTTCTTAATTACAATTGATGGGGAGAGCAGTAACTACATCAATGTGCTCTTATGGATAG
 CTATAGGCAACCGCAGCTTTCATCGTACACAATACCCGCTGCCGAACACTGTGAAAGACTTCTGGAGA
 TTAGTATACGATTACGGCTGTACCTCCATTGTGATGTTAAATGAAGTGGACTTGTCCCAGGGCTGTCCAC
 AGTACTGGCCAGAGGAAGGGATGCTGCGATATGGCCCTATCCAAGTGGAAATGCATGTCTTGTTCATGGA
 CTGTGACGTGATCAATCGGATTTTAGGATATGCAACCTAACTAGACCACAAGAAGGCTATCTGATGGTA
 CAGCAGTTCAGTACCTAGGCTGGGCTTCTCATCGAGAAGTGCCTGGCTCCAAACGCTCGTTTTTGAAC
 TGATACTGCAGGTGAAAAATGGCAGGAAGAATGTGAAGAAGGAGAAGGCCGGACGATCATCCACTGCTT
 GAATGGCGGTGGGCGCAGTGGCATGTTCTGTGCAATAGGCATTGCTGAGGAGTGGTGAAGCGGCAAAAT
 GTGGTGGATGTTTTCCATGCAGTAAAGACCCTGAGGAACAGCAAGCCAAACATGGTGAAGCTCCGGAGC
 AGTATCGTTTCTGCTATGACGTGGCTTTGGAGTACCTGGAGTCTCTCA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001029902
Insert Size: 4320 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:	<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_001029902.2</u> , <u>NP_001025073.2</u>
RefSeq Size:	4464 bp
RefSeq ORF:	4320 bp
Locus ID:	360302
Cytogenetics:	1p12
Gene Summary:	involved in the stimulation of neurite outgrowth [RGD, Feb 2006]