OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC224495

Ptprk (NM_008983) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptprk (NM_008983) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptprk
Synonyms:	AI853699; PTPk; RPTPkappa
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224495 representing NM_008983 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGATGTGGCGGCCGCTGCGTTGCCTGCTTTTGTAGCTCTCTGGCTTCTGTACCCGTGGCCTCTCCTGG GGTCGGCCCTTGGCCAGTTCTCAGCAGGTGGCTGTACTTTTGATGATGGGCCAGGGGCTTGTGACTACCA CCAGGATTTATACGATGACTTTGAGTGGGTCCATGTCAGTGCGCAGGAACCTCATTACCTGCCCCCCGAA ATGCCTCAAGGTTCCTATATGGTTGTGGACTCCTCAAATCATGATCCTGGAGAAAAAGCCAGACTTCAGC TGCCTACCATGAAGGAGAATGACACCCACTGCATTGATTTCAGTTACCTGTTATATAGCCAGAAGGGGTT GAACCCTGGCACTTTGAATATCCTAGTTAGGGTGAATAAAGGACCTCTTGCTAATCCAATTTGGAATGTA ACTGGATTCACTGGTCGTGATTGGCTTCGGGCTGAACTAGCTGTGAGCACCTTTTGGCCCAATGAATACC AGGTAATATTTGAAGCTGAAGTCTCAGGAGGGAGAAGTGGTTATATTGCCATTGATGACATCCAAGTCCT GAGTTATCCTTGCGATAAATCTCCTCATTTTCTCCGCCTTGGTGATGTGGAGGTCAATGCTGGGCAGAAT GCTACATTTCAGTGCATTGCTACAGGGAGAGATGCTGTGCATAACAAGTTATGGCTGCAGAGACGCAATG GAGAAGACATACCCGTAGCCCAGACTAAGAACATAAATCACAGAAGATTTGCTGCCTCTTTCAGATTGCA AGAAGTGACAAAAACTGACCAGGATTTGTACCGCTGCGTAACTCAGTCAGAACGAGGTTCTGGGGTTTCC AATTTTGCTCAACTCATTGTGAGAGAACCACCTAGACCCATTGCTCCTCCCCAGCTGCTTGGTGTTGGGC CTACTTACTTGCTGATCCAACTAAATGCCAACTCTATTATTGGCGATGGCCCCATCATCCTGAAAGAAGT AGAGTATCGAATGACATCAGGATCTTGGACAGAAACCCATGCAGTCAACGCACCAACATATAAGTTGTGG CATTTAGACCCAGATACAGAATACGAGATCCGCGTCCTGCTTACCAGACCTGGCGAAGGGGGAACTGGGC TGCCAGGACCACCACTGATCACTAGAACGAAGTGTGCAGAACCTATGCGGACACCAAAGACTTTAAAGAT TGCTGAAATCCAGGCAAGGCGCATTGCAGTGGACTGGGAGTCCTTGGGCTACAACATCACTCGTTGCCAC ACTTTCAACGTCACTATCTGCTACCATTACTTCCGTGGCCACAATGAGAGCAGGGCAGACTGCTTGGACA TGGACCCCAAAGCCCCTCAGCATGTTGTGAACCATCTGCCACCTTACACAAATGTCAGCCTCAAGATGAT CCTAACCAACCCAGAGGGAAGGAAGGAGAGCGAAGAGACAATCATCCAAACTGATGAAGATGTGCCCGGG CCTGTGCCAGTCAAATCCCTCCAAGGAACATCCTTTGAAAACAAGATCTTCCTGAACTGGAAAGAGCCAC

View online »

TGGAACCGAATGGAATTATCACTCAGTATGAGGTGAGCTATAGCAGCATAAGATCATTTGACCCTGCTGT
TCCAGTGGCTGGGCCCCCACAGACTGTATCAAATTTATGGAATAGTACACACCATGTATTTATGCATCTT
CACCCTGGAACCACCTACCAGTTTTTTATAAGAGCCAGCACTGTCAAAGGCTTTGGACCAGCAACAGCCA
TCAATGTGACCACAAATATCTCAGCTCCAAGCTTACCTGACTATGAAGGAGTTGATGCCTCTCTGAATGA
AACTGCCACCACCATCACAGTACTATTGAGGCCTGCACAAGCCAAAGGTGCTCCTATCAGTGCTTATCAA
ATTGTTGTGGAGCAGCTACACCCACATCGAACGAAGCGTGAAGCAGGGGCCATGGAATGCTACCAGGTAC
CGGTTACATACCAGAACGCCCTAAGTGGGGGCGCGCCCTATTACTTTGCCGCAGAACTTCCCCCTGGGAA
TCTTCCCGAGCCTGCTCCCTTCACCGTGGGTGACAACCGGACCTATAAAGGCTTTTGGAACCCTCCCCTG
GCCCCCCGCAAAGGATACAACATCTATTTCCAAGCGATGAGCAGTGTGGAGAAGGAAACTAAAACCCAAT
GTGTACGAATTGCTACAAAAGCAGCAGCAACAGAAGAACCAGAAGTGATCCCAGACCCGGCAAAGCAGAC
AGACAGAGTGGTGAAAATCGCGGGCATCAGTGCTGGCATCCTAGTGTTCATCCTTCTCCTGCTGGTTGTC
ATAGTAATTGTGAAAAAGAGCAAGCTTGCTAAGAAGCGCAAAGATGCAATGGGGAACACACGTCAGGAGA
TGACCCACATGGTGAATGCTATGGACCGAAGTTATGCTGACCAGAGCACCCTGCATGCAGAAGACCCCCT
TTCCCTCACCTTCATGGACCAACATAACTTCAGTCCAAGATTGCCCAATGATCCACTTGTGCCGACTGCC
GTGTTAGATGAGAACCACAGTGCCACAGCAGAGTCTAGTCGTCTCCTGGATGTTCCTCGATACCTCTGTG
AAGGGACAGAGTCCCCTTATCAGACAGGACAGCTGCACCCAGCCATCAGGGTGGCCGACTTACTGCAGCA
CATTAACCTCATGAAGACATCAGACAGCTATGGGTTCAAAGAGGAATACGAGAGCTTCTTTGAAGGCCAG
TCAGCCTCTTGGGATGTGGCTAAAAAGGATCAAAACAGAGCAAAGAACCGATACGGAAACATTATCGCAT
ATGATCACTCCAGAGTCATCCTGCAACCTGTGGAAGATGACCCTTCTTCAGATTACATTAATGCCAACTA
CATCGACATTTGGCTGTACAGGGATGGCTACCAGAGACCAAGCCACTACATTGCAACTCAAGGCCCAGTT
CATGAAACCGTATATGATTTTTGGAGGATGGTGTGGCAAGAGCAGTCTGCCTGTATTGTGATGGTCACTA
ATTTAGTGGAAGTTGGCCGGGTGAAATGCTATAAATATTGGCCTGATGATACTGAGGTTTATGGTGACTT
CAAAGTCACCTGCGTAGAAATGGAGCCACTTGCTGAGTATGTCGTTAGGACATTCACCTTGGAAAGGAGG
GGCTATAATGAAATCCGTGAAGTCAAACAGTTCCACTTCACTGGCTGGCCTGACCATGGTGTTCCATACC
ACGCAACAGGGCTCCTGTCATTTATCCGGAGAGTCAAGCTATCTAACCCTCCCAGTGCTGGGCCCATTGT
CGTACACTGCAGTGCTGGTGCTGGGCGCACAGGCTGTTACATTGTTATTGACATAATGCTGGACATGGCT
GAAAGAGAGGGTGTGGTTGACATCTACAACTGTGTGAAAGCCTTACGATCTCGGCGCATTAATATGGTAC
AGACAGAGGAACAGTACATTTTTATTCATGATGCCATTTTAGAAGCCTGCTTATGTGGAGAAACTGCCAT
CCCTGTGTGTGAATTTAAAGCTGCATATTTTGATATGATTCGAATAGACTCTCAGACTAACTCCTCTCAT
CTCAAAGATGAATTTCAGACTCTGAATTCGGTCACCCCTCGACTACAAGCTGAAGACTGCAGCATAGCCT
GCCTGCCAAGGAACCATGACAAGAACCGTTTCATGGATATGCTCCCACCTGACAGATGTCTGCCTTTTTT
AATTACAATTGATGGGGAGAGCAGTAACTACATCAATGCTGCTCTTATGGATAGCTATAGGCAGCCAGCA
GCTTTCATCGTCACACAATACCCACTGCCAAACACTGTGAAAGACTTCTGGAGATTAGTATATGATTACG
GATGTACCTCCATCGTGATGCTAAATGAAGTGGACCTGTCTCAGGGCTGCCCACAGTACTGGCCAGAAGA
AGGAATGCTGCGATATGGTCCTATCCAAGTGGAATGTATGTCTTGTTCAATGGACTGTGATGTGATCAAT
CGAATTTTTAGAATATGCAACCTAACGAGACCACAGGAGGGCTATCTGATGGTACAACAGTTCCAGTACC
TAGGCTGGGCTTCTCATCGAGAAGTGCCTGGCTCCAAACGCTCGTTTTTGAAATTGATACTGCAGGTGGA
AAAATGGCAAGAGGAATGTGAAGAAGGGGAAGGCCGGACAATCATCCACTGCTTGAATGGCGGTGGGCGC
AGTGGCATGTTCTGTGCCATAGGCATTGTTGTGGAGATGGTGAAGCGGCAAAATGTGGTGGATGTTTTCC
ATGCAGTAAAGACGCTGAGGAACAGCAAGCCAAACATGGTGGAAGCCCCGGAGCAGTATCGTTTTTGCTA
TGATGTGGCGTTAGAGTACCTGGAGTCCTCATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_008983

Insert Size: 4374 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_008983.2, NP_033009.1
RefSeq Size:	6177 bp
RefSeq ORF:	4374 bp
Locus ID:	19272
UniProt ID:	P35822
Cytogenetics:	10 15.06 cM
Gene Summary:	Regulation of processes involving cell contact and adhesion such as growth control, tumor invasion, and metastasis. Negative regulator of EGFR signaling pathway. Forms complexes with beta-catenin and gamma-catenin/plakoglobin. Beta-catenin may be a substrate for the catalytic activity of PTPRK/PTP-kappa.[UniProtKB/Swiss-Prot Function]