

Product datasheet for **RN212236**

Ptk2 (NM_013081) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptk2 (NM_013081) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptk2
Synonyms: FAK; FRNK; p125FAK
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN212236 representing NM_013081
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCTGCTTATCTTGACCCAACTTGAATCACACACCAAGTTCGAGTACTAAGACTCACCTGGGTA
CTGGCACGGAACGGTCCCCTGGTGAATGAACGAGTATTAAGGTCTTTCATTATTTGAAAGCAGTAA
TGAGCCAACCACCTGGGCCAGTATTATCAGGCATGGAGACGCTACTGACGTCAGGGGAATCATTGAGAAG
ATAGTGGACAGTCACAAAGTAAAGCACGTGGCCTGCTATGGATTCGCCTCAGTCACCTGCGATCGGAGG
AGGTGCACTGGTGCATGTGGACATGGGTGCTCCAGTGTGAGGGAGAAAATACGAACTCGCCACCCACC
AGAGGAGTGGAAATATGAGTTGAGAATTCGTTATTTGCCAAAAGGATTTCTAAACCAAGTTTACTGAAGAT
AAGCCAACATTGAATTTCTTCTATCAACAGGTGAAGAGTGACTACATGCTAGAAAATAGCTGATCAAGTAG
ACCAAGACATAGCTTTGAAGTTGGGTGTTTGGAAATAGGCGATCCTACTGGGAGATGAGGGGCAACGC
CCTAGAGAAGAAGTCCAACATGAAGTGTAGAGAAAGATGTTGGTTTAAAGCGATTTTTCCCAAGAGT
TACTGGATTCGTCAGGCCAAAACACTAAGAAAGCTGATCCAGCAAACATTGAGCAGTTTGGCAACC
TTAATAGAGAAGAAAGCATCCTGAAATCTTTGAGATTCTCTCCAGTGTACAGATTTGACAAAGAGTG
CTTCAAGTGTGCCCTGGGTCAAGTTGGATTATTTCTGTGGAAGTGGCGATCGGCCAGAAAGAGGGATC
AGTTACCTGACAGACAAGGGCTGCAATCCACACACCTAGCGGACTTCAACCAAGTGCAGACTATCCAGT
ACTCAAACAGTGAAGACAAGACAGGAAAGGAATGCTACAACCTAAAATCGTGGTGTCTCTGAGCCTCT
GACAGTGACGGCCCCATCCCTAACCAATTGCAGAGAACATGGGTGACCTGATCGATGGATACTGCCGGCTG
GTGAACGGAGCCACGCAGTCTTCATCATCAGACCCAGAAAGAGGTGAACGGGCATTGCCATCAATAC
CAAAGTTGGCCAACAATGAAAAGCAAGGCATGCGGACACATGCAGTCTGTGTGTCAGAGACAGATGACTA
TGCCGAGATCATCGATGAGGAAGACACATACACCATGCCCTCAACCAGGGATTATGAGATTCAGAGAGAA
AGAATAGAACTTGACGCTGTATTGGAGAAGGCCAGTTTGGAGATGTACATCAAGGCGTGTACCTGAGCC
CAGAGAATCCAGCTTTGGCTGTTGCAATCAAACATGTAAAACTGTACTTCGGACAGCGTGAGAGAGAA
GTTCTTCAAGAAGCCTTAACAATGCGCCAGTTTGACCATCCTCAGATCGTGAAGCTGATTGGAGTCATT
ACAGAGAACCAGTTTGGATAATCATGGAGTTGTGCACACTTGGAGAGCTGAGGTCATTTTTGCAAGTAA



[View online »](#)

GGAAATACAGCTTGGATCTAGCATCTTTGATCTTATATGCCTATCAGCTTAGTACAGCACTCGCGTATCT
GGAGAGCAAAAGATTTGTTACAGGGACATTGCTGCACGGAATGTTCTGGTGTCTTCAAATGATTGTGTA
AAATTAGGAGACTTTGGATTATCTCGATATATGGAAGACAGTACTTACTATAAAGCTTCCAAAGGAAAT
TACCTATTAATGGATGGCTCCAGAGTCAATCAATTTTCGACGTTTTACCTCAGCTAGTGACGTGTGGAT
GTTTGGTGTGTATGTGGGAGATACTGATGCATGGCGTGAAGCCTTTTCAAGGAGTGAAGAACAATGAT
GTGATCGGTGCAATTGAAAATGGGAAAAGATTACCAATGCCTCCAAATTTCTCCCACCCTCTACAGCC
TTATGACGAAAATGTTGGGCCTATGACCCACAGACAGCCAGGTTTACTGAACTAAAAGCTCAGCTCAG
CACAATCCTGGAGGAAGAGAAGGTGCAGCAAGAAGAACGGATGAGGATGGAATCCAGAAGACAGGCAACA
GTGTCCTGGGACTCTGGAGGTCTGATGAAGCACCACCCAAAGCCAGCAGACCTGGTTATCTAGCCCGA
GGTCCAGTGAAGGATTTTATCCCAGCCCACAGCACATGGTCCAGACCAATCACTATCAGATCTCTGGCTA
CCCAGGTTCCCATGGAATCCCAGCCATGGCTGGCAGCATTACCCAGGTCAGGCATCTTCTCTGGACCAG
ACAGAATTGTGGAATCACAGACCTCAGGAGATGTCCATGTGGCAGCCAGTGTGGAGGACTCAGCAGCTT
TAGATCTTCGAGGGATGGACAGGTGCTTCTCCTCACCTGATGGAAGAGCGGCTAATCCGACAGCAGCA
GAAAATGGAGGAAGACCAGCGCTGGCTGGAAAAGGAAGAGCGATTCTGAAACCTGATGTGAGGCTCTCT
CGAGGCAGCATCGACAGGGAGGACGGGAGTTTTAGGGTCCGACTGGAAACCAACACATCTATCAGCCTG
TGGGAAAACCAGATCCTGCAGCTCCACCAAGAAACCACCTCGCCCTGGAGCACCTGGCCACCTAAGCAA
CTTGTCAGCATCAGCAGCCCTGCAGAAAAGCTACAATGAGGGTGTCAAGCCGTGGAGGCTTCAGCCCCAG
GAAATCAGCCCCCTCCCAGTCCCAACCTTGACCGATCCAATGACAAGGTATATGAAAATGTGACGGGCC
TAGTGAAGGCTGTATTGAGATGTCCAGCAAAATCCAACCAGCTCCTCCAGAAGAGTACGTCCTATGGT
GAAGGAAGTTGGCCTGGCCCTGCGGACCTTACTGGCCACTGTGGATGAGACCATTCCCATCTTCCAGCC
AGCACCCATCGAGAGATCGAGATGGCACAGAAGCTGCTGAACTCCGACTTGGGTGAGCTCATCAGCAAGA
TGAAGCTGGCCGACGAGTATGTCATGACCAGCCTTCAGCAGGAGTACAAGAAGCAGATGCTGACAGCTGC
TCACGCCCTGGCTGTGGATGCCAAGAATCTACTTGATGTTATTGATCAAGCGAGACTGAAAATGCTAGGG
CAGACACGGCCACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_013081
Insert Size:	3168 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_013081.2, NP_037213.1</u>
RefSeq Size:	4559 bp

RefSeq ORF: 3168 bp
Locus ID: 25614
UniProt ID: [O35346](#)
Cytogenetics: 7q34
Gene Summary: tyrosine kinase that is enriched in focal adhesions; may regulate mechanical signal transduction in cardiac myocytes [RGD, Feb 2006]