

Product datasheet for RN203694

Ptpn21 (NM_133545) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ptpn21 (NM_133545) Rat Untagged Clone
Tag: Tag Free
Symbol: Ptpn21
Synonyms: Ptp2E
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203694 representing NM_133545
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCACTGCCATTTGGGTTGAAATTGAAACGCACCCGGCGCTACACTGTGTCCAGCAAGAGCTGCCTGG
 TTGCACGGATCCAGCTGCTCAATAATGAGTTTGTGGAGTTCACCTGTCCGTGGAGAGCACTGGCCAGGA
 GAGCCTAGAAGCTGTGGCCCAACGCCTGGAGCTGAGAGAGATCACGTACTTCAGCCTCTGGTACTACAAC
 AAGCAGAATCAGCGTCGCTGGGTGGATTTGGAGAAACCCCTGAAGAAGCAGCTGGACAAGCACGCCCTGG
 AGCCCCACCGTCTACTTTGGAGTGGTGTATGTGCCCTCTGTTCCAGCTGCAGCAGGAGATCACCAG
 GTACCACTATTACCTGCAGCTGAAGAAGGATGTTCTGGAAGGAAACCTCCCTGCACATTGGAGCAAGCC
 ATTCAGCTGGCTGGCTTAGCTGTTCAAGCTGATTTTGGCGACTTTGATCAGTATGAATCCCAAGATTTTC
 TTCAGAAATTCGCCTTGCTCCCTGTGGGGTGGCTACAGGATGAAAACTGCTGGAAGAAGCAGCCAAAA
 AGTGGCCTTGCTGCATCAGAAATACAGAGGGCTCACAGCTCCTGAGGCCGAGATGCTGTACATGCAGGAG
 GTAGAGCGGATGGACGGCTATGGAGAGGAGAGCTACCCGCAAGGACAGCCAAGGAAGTACATATCCA
 TTGGTGTCTGTCGATGGCATCTTTGTGAAGCACAAGAATGGGAGGCCCTCCCGTGGTTCAGGTGGCA
 CGACATTGCTAACATGTCACACAATAAGTCCTTTTTTTCGTTAGAACTGGCAAAATAAAGAGGAGACCATC
 CAGTTTCAAACCTGAAGACATGGAACAGCAAAGTACGTGTGGAGGCTGTGTGTGGCACGCCACAAATTTT
 ACAGACTGAACCAAGTGAACCTGCAAACCTCAGGCTGCCACGTTGAACTCCGTGAGGAGGGCTCATCGTC
 CAGGATGTCTCTGCCTAAACCCAGCCCTATGCGATGCCTCCCCACCCAGCTGCATTATAATGGACAT
 TATACAGAGCCATTTGCTTCTTCCCAAGACAATGTCTTTGTGCCCAACAAGAATGGATTCTATTGCCACT
 CCCAGACAAGTTGGACAGAACCCTAAATGACCTCAGTGGCCGCATCCGCAACGGCAGCGGTACAGTGC
 ACACAGTACGAACTCCTTAAACACACCTCAGCCCTACCTGCAGCCCTCCCCTATGTCCTCAACCCCACT
 ATTCCAGGCAGCGATGTCATGAGACCTGACTACATCCCATCCCACGGCACAGCGCCTTGATTCCCCAT
 CCTACCGCCCGACCCCTGACTACGAGAGCGTGATGAAGCGGCTCAACAGAGGCATGGTGCATGCAGACAG
 GCATAGCCACTCGCTCAGGAACCTCAACATTGGCAGTTCTATGCATACAGCAGGCCCGACGCCTTGGTC
 TACAGCCAGCCTGAGATTCGGGAACACCACACCTCGCCTCTCCCAAGTACAGCCACTACCCATTTAACT



TGAACTACAGTTTCCACAGCCAGGCTCCGTATCCATACCCTGTGGAGAGGCGGCCTGTGGTGGGCGCTGT
 GAGTGTCCCTGAGCTGACCAATGTGCAGCTGCAGGCCAGGACTACCCAGCTCCAAAATTATGAGGACC
 CAGGTGTACCGGCCGCCCCGCCATATCCTTACCCAAGACCTGCCAACAGCACCCCGGACCTATCGCGGC
 ACCTCTACATCAGCAGCAATCCAGATCTCATCACCAGACGCGTCCATCACTCGGTGCAGACCTTCCA
 GGAGGACAGCTTGCCCGTGGCTCACTCTCTGCAGGAGGTGAGTGCAGCCCTCACAGCAGCTCGGCATGCA
 CACCTACAGAAGAGGAACAGTATTGAAATCGCAGGGCTCACACATGGTTTGAAGGCTGAGGCTCAAGG
 AGGAGACGATGTCAGCCTCAGCCGACAGCGTGGCTCCAGGACCTTCTCAGCAGGCTCCAGTCCAGCGT
 CTTCTCTGACAAAGTGAAGCAGGAGGGAACCGAAGAGCAGGGGAGTGGTGGGTACAGTCACAAGAAGTCC
 CTTTCTGATGCCACCATGCTGATTACAGCAGCGAGGAGGATGAGGACTTAGAAGACGACAGCAGCAGAG
 AACACGCTGTGTCTGAGCCCGCCTTACGGCTGCTTTCTCTCAGGAACAACAGCTAAACTACCCCTGTGC
 TTCAGTACTCCGGTCACTGGCCCTCTGCATATTTTCGAGCCCAAGTCCCATGTTACGGAGCCTGAGAAG
 AGGGCAAAGGACATCAGCCCTGTCCACCTGGTTATGGAGACTCATCAGCCCGAAGACATGGACTGCTGA
 CCCCCTCCATGTCGAGTCAGACCTCACGACGTGAGGAGGTACCGAGCTAGGAGGGACTCTCTCAAGAA
 GAGGCCAGTGTGAGATCTCTCTCTGGGAAGAAGAAGACTGTGGAAGGACTTCCGCCACTAGGGGAATG
 AAAAAGACTCGAGCAGATGCAAAAAAATTGGCCCTCAAGCTGGCAGCCCTCAATGGACTCTCCCTGT
 CCCGGTGCCTGACGAAGGCAAGAAGTGTCCACCAGAGCGACAAATGACGAGAGGTGTAAGT
 TCTGGAGCAGCGGTTAGAGCAAGGAACGGTCTTACCAGATATGAGAGGATTCTGAAAAAGCGGCTGGTT
 GATGGCAGTGTCAACAGCTCGGCTCCCTGAAATGCAGAGAGAAACCGATTCCAAGATGTGCTCCCT
 ACGATGATGCCAGAGTGGAGTTGGTGCCAACCAAGGAGAAACAACACTGGCTATATCAATGCGTCACACAT
 TAAGTCTCTGTGAGCGAATTTGAATGGGATTATTTGCCACACAGGGACCATTACAAAATACCTGCCAG
 GACTTTTGGCAGATGGTGTGGGAACAGGAGTGCCAATATAGCAATGGTGACAGCGGAAGAGGGAGGAG
 GTCGGGAGAAGAGCTTTAGGTATTGGCCACGGCTTGGCTCCAGGCACAACACTGTCACCTATGGAAGGTT
 TAAGATCACAACCTCGCTTCCGCACGGACTCGGGCTGCTACGCCACCACAGGTTTGAAGATGAAGCACCTT
 CTCACAGGGCAGGAGAGGACAGTTTGGCATCTCCAGTACACAGACTGGCCTGAACATGGCTGTCCCGAAG
 ACCTCAAGGGATTTTTATCATACCTTGAAGAGATCCAGTCAGTTCGACGTCATACAAACAGTACAAGTGA
 ACCCAGAAGTCCCAACCCCGCTGCTGGTGCAGTGCAGTGTGGCGTGGGAAGAAGTGGGGTTGTCAAT
 CTGTCAGAGATCATGGTGGCCTGTCTGGAACACAATGAGGTGCTGGACATCCCCAGAGTGTGGAGCTGC
 TGAGGCAGCAGAGGATGATGCTGGTGCAGACACTTAGCCAGTACAGTTCGTGTACCGGGTGTCTATTCA
 GTTCTGAAGAGCTTAGGCTCATCTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-RsrII

ACCN:

NM_133545

Insert Size:

3528 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_133545.1](#), [NP_598229.1](#)

RefSeq Size: 5543 bp

RefSeq ORF: 3528 bp

Locus ID: 171070

UniProt ID: [Q62728](#)

Cytogenetics: 6q32

Gene Summary: protein tyrosine phosphatase with similarity to the band 4.1 family of cytoskeleton-associated proteins; may play a role in cytoskeletal organization [RGD, Feb 2006]