

Product datasheet for MC223827

Ptpn21 (NM_001146199) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn21 (NM_001146199) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn21
Synonyms:	PTPD1; PTPRL10
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223827 representing NM_001146199 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCACTGCCATTTGGATTGAAATTGAAACGCACCCGACGCTACACTGTGTCCAGCAAGAGCTGCCTGG
TTGCCCGATCCAGCTGCTCAATAATGAGTTTGTGGAGTTCACCTGTCTGTGGAGAGCACTGGCCAGGA
GAGCCTAGAAGCTGTGGCCAGCGCCTGGAGCTGAGAGAGGTCACCTACTTTAGCCTCTGGTACTACAAC
AAGCAGAATCAGCGCGCTGGGTGGATTTGGAGAAACCCCTGAAGAAGCAGCTGGACAAGCACGCACTGG
AGCCTACCGTCTACTTCGGCGTCTATTCTATGTGCCTTCTGTTTCCAGCTGCAGCAGGAGATTACCAG
GTATCAGTATTACCTGCAGCTGAAGAAAGATATTCTGGAAGGAAACCTTCCCTGTACATTAGAACACGCC
ATTCAGCTGGCCGGCTTAGCTGTTCAAGCTGATTTTGGTGACTTTGATCAGTATGAATCCCAAGATTTTC
TTCAGAAATTTGCCTTGCTCCCCGTGGCATGGCTACAGGATGAAAAAGTCTGGAAGAAGCAGCCAGAA
AGTGGCCTTACTGCACCAGAAATACAGAGGGCTCACAGCTCCTGAGGCCGAGCTGCTGTACATGCAGGAG
GTAGAGAGAATGGATGGCTACGGAGAGGAGAGCTACCCTGCCAAGGACAGCCAAGGAAGTGACATATCCA
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CGACATTGCTAACATGTCGCATAACAAGTCCTTTTTGCACTAGAGCTGGCAAATAAAGAGGAGACCATC
CAGTTTCAAACCTGAAGACATGGAGACAGCCAAGTACGTGTGGCGCTGTGTGGCACGGCACAAATTC
ACAGACTGAACCAGTGTAGCCTGCAAACGCAGGCCGCCAGCTGAACTCAGTCAGGAGGGGCTCATCCTC
CAGGATGTCTCTGCCTAAACCCAGCCCTATGCGATGCCTCCCCACCCAGCTGCATTATAATGGACAT
TATACAGAGCCATTTGCTTCTTCCCAAGACAACATCTTTGTGCCCAACAAGAATGGATTCTACTGCACT
CCCAGACAAGCCTGGATAGAACCAGATTGACCTCAGTGGTCGCATCCGCAACGGCAGCGTCTACAGTGC
ACACAGTACGAATTCCTTAAACACACTTCAGCCCTACCTGCAGCCCTCCCCATGCTCTCAACCCGAGT
ATCACTGGCAGTGATGTCATGAGACCCGACTACATCCCGTCCCACGGCACAGTGCCTCATTCCCCGT
CTTACCGCCGACCCCTGACTACGAGACCGTGATGAAGCAGCTCAACAGAGGCATGGTGCACGCAGACCG
GCACAGCCACTCGCTGAGGAACCTCAACATTGGCAGTTCCTATGCGTACAGCCGCGCCGACGCTTGGTC



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TACAGCCAGCCCAGATTTCGGGAGCACCTCACCTCACCTCTCCCCAGTCAGCCCACTACCCCTTAAACC
 TGAAGTACAGTTTCCACAGCCAGTCTCCGTATCCCTACCTGCCGAGAGGCGGCCAGTGGTGGGCGCCGT
 GAGTGTGCCTGAACTGACAAATGTGCAGCTGCAGGCTCAGGACTACCCAGCTCCAAACATTATGAGAACC
 CAGGTGTACCGCCACCCCGCCGTATCCTTACCAAGACCTGCCAACAGCACCCAGACCTGTCCCGCC
 ACCTCTACATCAGCAGCAATCCGGATCTCATCACCAGGCGGTCCATCACTCAGTGCAGACCTTCCA
 GGAGGACAGCTTGCCCGTGGCTCACTCTGCAGGAGGTCAGCGAGCCCTCACAGCAGCGCCCATGCC
 CACTACAGAAGAGAACAGTATTGAAATCGCAGGGCTCACACATGGATTGGAAGGCCTGAGGCTCAAGG
 AGAGGACGGTGTAGCCTCAGCAGCAGAGCTGGCGCCCGGACCTTCTCAGCAGGCTCCCAGTCCAGCGT
 CTTCTCTGACAAAATGAAGCAGGAGGGGACTGAAGAGCAGGAGGGTGGCAGATACAGCCATAAGAAGTCC
 CTTTCTGATGCCACCATGCTGATTCATAGCAGTGAAGGAGCAGGACTTGAAGAGGACAGCAGCAGAG
 AACAGGCCATCTCAGCTGTGTCTGAGCCCGCCTTACGGCCGCTTTCTCTCAGGAACTAACTACCCCTG
 TGCTTACGCGACTCCGATCACTGGGCTCTGCATATTTTTGAGCCCAAGCCCATGTACAGAGCCTGAG
 AAGAGGGCAAAGGACATCAGCCCTGTCCACCTGGTTGTGGAGACCCATCGGCCCGAAGAGATGGACTGC
 TGACCCCTCCATGTCCGAGTCAAGCTCACGACCTCAGGAGGTACCGAGCTAGGAGGGACTCTGTCAA
 GAAAAGGCCAGTGTGAGCCTCCTCTCTGGGAAAAAAGCGCTGTGGAAGGACTTCCGCCACTAGGGGGG
 ATGAAAAAACTCGAGCAGATGCAAAAAAATGGTCCCCTCAAGCTGGCAGCCCTCAATGGGCTCTCC
 TGTCGGGCTGCCCTGCCTGATGAAGGAAAAGAGTGTCCACCAGAGCGACAAATGACGAGAGGTGCAA
 GGTTCTGGAGCAGCGTTAGAGCAAGGCATGGTCTTACCGAATATGAGAGGATCCTTAAGAAGCGGCTG
 GTTGATGGTGAGTGTCTGACTGCCCGGCTCCCTGAAAAATGCAGAGAGAAATCGATTTCAAGATGTGCTCC
 CCTACGATGATGCGAGAGTGCAGTTGGTGCCAACCAAGGAGAACAACTGGCTACATCAACCGGTCACA
 CATTAAAGTCTCTGTGAGCGAATAGAATGGGATTATATTGCCACACAGGGACCATTAAAAATACCTGC
 CAGGACTTTTGGCAGATGGTGTGGGAACAGGGAGTGCCAATTATAGCAATGGTGACAGCAGAAGAGGAGG
 GAGGCCGGGAGAAGAGCTTTAGTACTGGCCACGGCTTGGTTCCAGGCACAACACTGTACCTATGGAAG
 GTTTAAGATCACACGCGCTTCCGCACGACTCGGGCTGCTATGCCACCACAGGTTTGAAGATGAAGCAC
 CTTCTCACAGGGCAGGAGAGAACCCTTTGGCATCTTCACTACACAGACTGGCCTGAACACGGCTGTCCCG
 AAGACCTCAAAGGATTTTATCTACCTTGAAGAGATCCAGTCACTTCGACGTCATACAAACAGTACCAG
 TGAACCCAAAAGCCACAATCCCCGCTGCTGGTGCAGTGCAGTGTGGCGTGGGAAGAACTGGGGTCTGC
 ATTCTGTGAGAGATCATGGTTGCTGTCTGGAACACAATGAGGTGCTGGACATCCCAGAGTGTGGACA
 TGCTGAGGCAGCAGAGGATGATGCTGGTGCAGACACTTGCCAGTACACCTTTGTGTACAGAGTGTCTCAT
 TCAGTTCTGAAAAGCTCCAGGCTCATTAA

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_001146199

Insert Size:

3531 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001146199.1](#), [NP_001139671.1](#)

RefSeq Size: 5562 bp

RefSeq ORF: 3531 bp

Locus ID: 24000

Cytogenetics: 12 E