

## Product datasheet for MC223828

### Ptpn21 (NM\_011877) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ptpn21 (NM_011877) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ptpn21
Synonyms:	PTPD1; PTPRL10
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC223828 representing NM_011877 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGGATCGCC

ATGCCACTGCCATTTGGATTGAAATTGAAACGCACCCGACGCTACACTGTGTCCAGCAAGAGCTGCCTGG  
TTGCCCGATCCAGCTGCTCAATAATGAGTTTGTGGAGTTCACCTGTCTGTGGAGAGCACTGGCCAGGA  
GAGCCTAGAAGCTGTGGCCAGCGCCTGGAGCTGAGAGAGGTCACCTACTTTAGCCTCTGGTACTACAAC  
AAGCAGAATCAGCGGCGCTGGGTGGATTTGGAGAAACCCCTGAAGAAGCAGCTGGACAAGCAGCACTGG  
AGCCTACCGTCTACTTCGGCGTCTATTCTATGTGCCCTCTGTTTCCCAGCTGCAGCAGGAGATTACCAG  
GTATCAGTATTACCTGCAGCTGAAGAAAGATATTCTGGAAGGAAACCTTCCCTGTACATTAGAACACGCC  
ATTCAGCTGGCCGGCTTAGCTGTTCAAGCTGATTTTGGTGACTTTGATCAGTATGAATCCCAAGATTTTC  
TTCAGAAATTTGCCTTGCTCCCCGTGGCATGGCTACAGGATGAAAAAGTCTGGAAGAAGCAGCCAGAA  
AGTGGCCTTACTGCACCAGAAAACAGAGGGCTCACAGCTCCTGAGGCCGAGCTGCTGTACATGCAGGAG  
GTAGAGAGAATGGATGGCTACGGAGAGGAGAGCTACCCGCAAGGACAGCCAAGGAAGTACATATCCA  
TTGGTGCCTGTCTCGATGGCATCTTTGTGAAACACAAGAACGGAAGGCCCTCCTGTGGTTCAGGTGGCA  
CGACATTGCTAACATGTCGCATAACAAGTCCTTTTTTGCATAGAGCTGGCAAATAAAGAGGAGACCATC  
CAGTTTCAAACCTGAAGACATGGAGACAGCCAAGTACGTGTGGCGCTGTGTGTGGCACGGCACAAATTCT  
ACAGACTGAACCAGTGTAGCCTGCAAACGCAGGCCGCCACGCTGAACTCAGTCAGGAGGGGCTCATCCTC  
CAGGATGTCTCTGCCTAAACCCAGCCCTATGCGATGCCTCCCCACCCAGCTGCATTATAATGGACAT  
TATACAGAGCCATTTGCTTCTTCCCAAGACAACATCTTTGTGCCCAACAAGAATGGATTCTACTGCACT  
CCCAGACAAGCCTGGATAGAACCAGATTGACCTCAGTGGTGCATCCGCAACGGCAGCGTCTACAGTGC  
ACACAGTACGAATTCCTTAAACACACTCAGCCCTACCTGCAGCCCTCCCCATGCTCTCAACCCGAGT  
ATCACTGGCAGTGTGTCATGAGACCCGACTACATCCCGTCCCACGGCACAGTGCCTCATTCCCCGT  
CTTACCGCCCGACCCCTGACTACGAGACCGTGATGAAGCAGCTCAACAGAGGCATGGTGCACGCAGACCC  
GCACAGCCACTCGCTGAGGAACCTCAACATTGGCAGTTCTATGCGTACAGCCGCCCCGACGCTTGGTC  
TACAGCCAGCCGAGATTCGGGAGCACCTCACCTCACCTCTCCCAGTCAGCCCACTACCCCTTAACC



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TGAACTACAGTTTCCACAGCCAGTCTCCGTATCCCTACCCTGCCGAGAGGCGGCCAGTGGTGGGCGCCGT  
 GAGTGTGCCTGAACTGACAAATGTGCAGCTGCAGGCTCAGGACTACCCAGCTCCAAACATTATGAGAACC  
 CAGGTGTACCGCCACCCCGCCGTATCCTTACCCAAGACCTGCCAACAGCACCCAGACCTGTCCCGCC  
 ACCTCTACATCAGCAGCAATCCGGATCTCATCACCAGGCGGTCCATCACTCAGTGCAGACCTTCCA  
 GGAGGACAGCTTGCCCGTGGCTCACTCTGCAGGAGGTCAGCAGCCCTCACAGCAGCGGCCATGCC  
 CACCTACAGAAGAGGAACAGTATTGAAATCGCAGGGCTCACACATGGATTGGAAGGCCTGAGGCTCAAGG  
 AGAGGACGGTGCAGCCTCAGCAGCAGACGTGGCGCCCGGACCTTCTCAGCAGGCTCCAGCTCCAGCGT  
 CTTCTCTGACAAAATGAAGCAGGAGGGACTGAAGAGCAGGAGGGTGGCAGATACAGCCATAAGAAGTCC  
 CTTTCTGATGCCACCATGCTGATTATAGCAGTGAGGAGGACGAGGACTTGGAAGAGGACAGCAGCAGAG  
 AACAGGCCATCTCAGCTGTGTCTGAGCCCCGCTTACGGCCGCTTTCTCTCAGGAACTAACTACCCCTG  
 TGCTTCAGCGACTCCGATCACTGGGCTCTGCATATTTTTGAGCCCAAGCCCATGTACAGAGCCTGAG  
 AAGAGGGCAAAGGACATCAGCCCTGTCCACCTGGTTGTGGAGACCCATCGGCCCGAAGAGATGGACTGC  
 TGACCCCTCCATGTCGAGTCAAGCCTCACGACCTCAGGAGGTACCGAGCTAGGAGGGACTCTGTCAA  
 GAAAAGGCCAGTGTGAGCCTCCTCTCTGGGAAAAAAGCGCTGTGGAAGGACTCCGCCACTAGGGGGG  
 ATGAAAAAACTCGAGCAGATGCAAAAAAATTGGTCCCCTCAAGCTGGCAGCCCTCAATGGGCTCTCC  
 TGTCCCGCTGCCCTGCCTGATGAAGGAAAAGAAGTGTCCACCAGAGCGACAAATGACGAGAGGTGCAA  
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 GTTGATGGTGAGTGTCTGACTGCCCGGCTCCCTGAAAAATGCAGAGAGAAATCGATTTCAAGATGTCTCC  
 CCTACGATGATGCGAGAGTCAAGTGGTGGCAACCAAGGAGAACAACACTGGCTACATCAACGCGTCACA  
 CATTAAAGTCTCTGTGAGCGAATAGAATGGGATTATATTGCCACACAGGGACCATTACAAAATACCTGC  
 CAGGACTTTTGGCAGATGGTGTGGGAACAGGGAGTCGCAATTATAGCAATGGTGACAGCAGAAGAGGAGG  
 GAGGCCGGGAGAAGAGCTTTAGTACTGGCCACGGCTTGGTCCAGGCACAACACTGTACCTATGGAAG  
 GTTTAAGATCACAAACGCGTTCGACAGGACTCGGGCTGCTATGCCACCACAGGTTTGAAGATGAAGCAC  
 CTTCTCACAGGGCAGGAGAGAACCGTTTGGCATCTTCAAGTACACAGACTGGCCTGAACACGGCTGTCCCG  
 AAGACCTCAAAGGATTTTTATCCTACCTTGAAGAGATCCAGTCAAGTTCGACGTCATACAAACAGTACCAG  
 TGAACCCAAAAGCCACAATCCCCGCTGCTGGTGCAGTGCAGTGTGGCGTGGGAAGAACTGGGGTCTGTC  
 ATTCTGTGAGAGATCATGGTTGCCTGTCTGGAACACAATGAGGTGCTGGACATCCCAGAGTGTGGACA  
 TGCTGAGGCAGCAGAGGATGATGCTGGTGCAGACACTTGGCCAGTACACCTTTGTGTACAGAGTGTCTCAT  
 TCAGTTCTGAAAAGCTCCAGGCTCATTAA

AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
 TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-RsrII

**ACCN:**

NM\_011877

**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.

**RefSeq:** [NM\\_011877.2](#), [NP\\_036007.2](#)

**RefSeq Size:** 5697 bp

**RefSeq ORF:** 3531 bp

**Locus ID:** 24000

**Cytogenetics:** 12 E