

## Product datasheet for **RN210791**

### **Ptpn23 (NM\_057204) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ptpn23 (NM\_057204) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ptpn23  
**Synonyms:** HD-PTP; Ptp-Td14  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Fully Sequenced ORF:** >RN210791 representing NM\_057204  
**Red**=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGGCCGTGCCCGGATGCCCATGATCTGGCTGGACCTGAAGGAGGCCGGTGACTTTCACCTCCAGT  
CTGCTGTGAAGAAGTTTGTCTGAAGAATTATGGGGAGAACC CGAAGCCTACAATGAGGAACTAAAGAA  
GCTGGAGTTACTCAGACAGAACGCTATTCGTGTTGCCCGGACTTTGAGGGCTGCAGTGCCTTCGAAAG  
TACCTTGGCCAGCTACACTACCTACAGAGTCGGGTGCCCATGGGCTCAGGCCAGGAGGCTGCAGTCGCCA  
TCACCTGGACTGAGATCTTCTCGGGCAAGTCTGTGGCCATGAAGACATCAAGTACGAGCAGGCCTGTAT  
TCTCTACAACCTTGGTGCAGTGCCTCATGCTGGGGCTATGGACAAGAGGGTGTCTGAGGAGGGCATG  
AAAGTCTCCTGCACCCACTTCCAGTGCAGCAGGCGCCTTTGCCTACTTGCCTGAACACTTCCACAGG  
CCTTCAGTGTGGACATGAGTCGCCAGATCCTCACTCTCAACGTCAACCTCATGCTGGGCCAGGCTCAGGA  
GTGCTGTGGAGAAGTCCATGTTGGACAACCGGAAGAGCTTCTAGTGGCCGCATCAGTGCACAGGTG  
GTCGATTACTATAAGGAGGATGCCCGGCCCTTGGAGAACCCTGACACTGCGTCCCTGTGGGCCGCATCC  
AGAAGGACTGGAAGAACTCGTCCAGATGAAGATCTACTTTCGCGGCTGTGGCTCATCTACACATGGG  
GAAGCAGGCTGAGGAGCAACAGAAATTTGGGAACGGGTGGCCTACTTCCAGAGTGCCCTGGACAAGCTT  
AATGAAGCCATCAAGTTGGCCAAGGCCAGCCGACACTGTGCAAGATGCACCTTCGTTTTGCTATGGATG  
TCATTGGGGAAAGTACAATTCTGCCAAGAAGGACAATGACTTTTCTACCATGAGGCTGTGCCAGCACT  
GGATACCTTTCAGCCTGTGAAAGGAGCCCTTGGTGAAGCCCTTGCAGTAAACCCACAGACCCAGCT  
GTTACAGGTCCTGATATCTTTGCCAAGTTGGTACCATGGCTGCCCATGAGGCCTCATCACTGTACAGTG  
AGGAGAAGGCCAAGCTACTTCGGGAAAATGCTGGCCAAGATTGAAGATAAGAATGAAGTCCTAGATCAGTT  
CATGGACTCCATGCAGCTTGACCCTGACACAGTGGACAACCTGGATGCCTACAACCATATCCACCCAG  
CTCATGGAGAAGTGTGCCGCACTCAGTGTCCGGCCTGACACTGTCAAGAACCTTGTCCAGTCTATGCAGG  
TGCTGTCCGGGTGTTACGGATGTGGAGGCCCTCCTGAAGGACATCCGGGATCTACTGGAGGAAGATGA  
GCTGCAAGAGCAGAAATGCAGGAGACCTTGGGCCAGGCTGGGGCTGGCCCTGGCCCTTCTGTTACCAAG



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GCTGAGCTCGGAGAGGTGAGGCGAGAATGGGCCAAGTACACGGAAGTGCATGAAAAGGCTTCCTTACCA  
 ACAGTGAGCTGCATCGTGCTATGAATCTGCACGTTGGTAACTTGCGCCTGCTCAGTGGACCACTGGACCA  
 GGTGCGCGCTGCCTACCCACACCAGCCCTCACCCAGAGGACAAGGCTGTGCTGCAGAACCTAAAGCGC  
 ATCCTAGCCAAGGTGCAGGAGATGCGGGACCAGCGCGTGTCCCTGGAACAGCAGCTCCGAGAGCTGATCC  
 AGAAGGATGACATCACTGCCTCCCTGGTACCCTGACCACTCAGAGATGAAGAACTGTTTGAGGAACA  
 GCTGAAGAAGTATGACCAGCTGAAGGTACTCTGGAGCAGAACCCTGGCTGCCAGGACAATGTCTCCGG  
 GCACTGACCGAGGCCAACGTGCAGTATGCAGCAGTGCAGCGGGTGTCTAGTGAAGTGGACAAAAGTGG  
 ACTCCACACTACAGACCCTGGTTGCATCCTATGAAGCCTATGAGGACCTGATGAAGAAGTCCCAGGAGGG  
 CAAGGACTTCTATGCAGACTTGGAAAGCAAGGTAGCCGCCTGCTGGAACGGGCACAGTCTCTGCGCT  
 GCCAAGAGGCCGCTCGCCAGCAACTCCTGGACAGGGAGCTGAAGAAGAAGGCACCACCCTCGGCCCA  
 CAGCCCCAAAGCCATTGCTGTCCCGCGTGAAGAGGGAGAGGCCGAGAGGCTGGAGACCAACCCGAGGA  
 GCTGCGCAGCCTGCCCCCTGACATGATGGCTGGCCACGGCTGCCTGACCCATTCTAGGAACTGCTGCC  
 CCTCTCCACTTTTCTCTGGCCCTTCCCTGGTCCACAGGCCAGCAACCCACTATCTCTCAGGACCT  
 TACCACCTGGAACCTACTCAGGCCCACTCAGCTGATGCAGCCTAGGGCTGCAGTGGCCATGGCCCTGG  
 ACCTGTCTCTACCCAGCCCTGTCTATACATCGGAGTTGGGCTTGTACCCAGATCCTCTCCCAGCAT  
 GGAATTGTAAGCAGTCCCTATGCAGGGGTAGGGCCACCCCAACCAGTCTGAGGCTTCCCTCTGCTCCAC  
 CACCCAGTTCTCAGGACCTGAGTAGCCATGGCAGTCCGGCCAGCTACCACCACAGTAGATAGTGCCA  
 AGCCCCATATCTAGCCACATGGCACCAGGCCAGGCCCTGCCCCAGCTCCTCCCAGCCTTGTCTTCCA  
 GTGCCTCAGCCTGTACCCCAATCTGTTCCCGAGCCGAGCCTCTGCCACACCCTATACTTATTCTATAG  
 GGACCAAGCAGCACCTCACAGGCCCTTACCACAGCATCACTTCTCTGGGATCCCTACCAGTTTTCC  
 AGCCCCAGGATTGGGCCAGCCCCACCTCAGCTTACGCCAGCCCCAGCCCCAGCCCCAGCCCCAG  
 CCTCCGCCTCAGCCCCAGCCCCAGCCCCAGCCCCAGCCCCAACGGCCAGTATTTGGGCCACAACCCACAC  
 AACAGCCCCCTCCATTCAGCATCCACATCTCTCCCATCTCAGGCCAGGGATTCTCACACCACCACC  
 CCCTACCCCTTTTACTCCTCAGCCTGGTGTTTTGGGACAGCCACCACCCACCCGGCACACCAGCTCTAC  
 CCAGGCCACCTCCAGACACTTCCCCCACACTCAGGGGCTCTGCCTTTCCCGAGCCCTGGGCCTCCTC  
 ATCCTCACCCACCCTGGCATATGGCCCTGCCCTTCCCTAGGCCCTGGGTCCTCAGGCAACCCCTGT  
 CTCATTGAGGTCACCCACCAGCCAATCAGCCTGCCCTAGTCCCCTTGGTGCCTTACCTGCCCA  
 TCGCCAGGGCTGGCCAGTACCTCAAGACCCCAACAGCAGAGCCACCACCATGTTTGCGCCGAGGTG  
 CTGAGCTGCAGACCTGTCTTCCAGCCCTGAGAGCCAGCATGGAGGGACTCAGCCTCTGGGGCGG  
 GCAGCCCTTGTGCAGCCTACCAAGGTAGATGCAGCGGAGGGCCAGGCCACAGGCCCTGCGGCTAATT  
 GAGCAGGACCCCTATGAACATCCTGAGAGGCTGCAGAAGTGCAGCAGGAGCTGGAGAGCTTTCGGGGCC  
 AGCTGGGGGATGCAGGAGCACTGGATGCTGTCTGGAGAGAGTTGCAGGAGGCCAGGAACACGATGCCCG  
 AGGCCGATCCATTGCCATTGCCCGTGTACTCCCTGAAGAACCAGGCCACCAGGACGTCATGCCGATGAC  
 AGTAACCGTGTGGTGTGCGCTCAGGCAAAGACGACTACATCAATGCTAGCTGTGTGGAGGGGCTCTCGC  
 CATACTGTCCACCCTTAGTGGCCACCCAGGCTCCGCTGCCTGGCAGCTGCAGATTTCTGGCTCATGGT  
 GCATGAACAGAAAGTGTCCGTCATTGTCTGCTGGTGTCTGAGGCTGAGATGGAAAAGCAAAAGGTGGCC  
 CGCTACTTCCCCATTGAGAGGGGCCAGCCCATGGTGCACGGGGCCCTGAGCGTGGCCCTGAGCAGTGTTC  
 GTACTACTGATACCCATGTGGAGCGAGTGTGAGCCTGCAGTTCGGGATCAGAGCCTCAAGCGCTCTCT  
 CGTGACCTACACTTCCCTACTTGGCCTGAGTTAGGCCCTGCCAGACAGCCCTGGCAATCTGCTGCGCTT  
 ATCCAGGAGGTGCACGCACATTATTTGCACCAGGACCCCTGCACACACCTATTGTCTACTGACAGCT  
 CGGGGGTGGGCCGACAGGAGCCTTTGCGTTGCTGTATGCCGCCGTGCAGGAGGTAGAGGCTGGGAGTGG  
 GATTCTGAGCTGCCTCAGCTGGTGAAGCGGATGCGGCAGCAGAGGAAACACATGCTGCAGGAGAACTG  
 CACCTCAAGTTCTGCCACGAGGCAATTGGTGCAGCATGTGGAGCAGGTCCTGCAGCGCCACGGCGTCCCGC  
 CTCCTGGCAAGCCTGTGGCCAGCATGAGCGTCAAGCAGAGCCACCTTCTCAGGATTCAGGATCT  
 GGTCTTGGTGGAGACGTGCCCATCAGCTCCATTAGGCTACCTTGGCAAGCTCAGCATCCGGCCCTG  
 GGTGGCCTGGATTCCCCGCTGCCAGCCTTCCAGCCTTGTAGAGCCCCAGGCTTCCACCAGCTAGCC  
 TTCCAGAGCCACCCCTGCCACCTTCTCACCTCCCCCCCCCTTCCCTCTGCCTGAACCCCCCA  
 GCCAGAGGAGGACCATCAGTGCCTGAAGCCCCAGCTTAGGGCCTCCCTCGTCACTCCCTGGAGCTGTTG  
 GCCTCTGACTCCAGAAGCATTTTCCCTGGACAGCTCTTTGCGGGGAAAGCAGCGGATGAGCAAGCAGA  
 ACTTTCTGAGGCTCACAAAGGGCAGGGTCTCAGGGCTGCCAACCTACGGATGACCCCTCAGCCTCCT  
 GGATCCACTCTGGACACTTAACAAGACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_057204
<b>Insert Size:</b>	5001 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">NM_057204.2</a></u> , <u><a href="#">NP_476552.2</a></u>
<b>RefSeq Size:</b>	5204 bp
<b>RefSeq ORF:</b>	5001 bp
<b>Locus ID:</b>	117552
<b>Cytogenetics:</b>	8q32
<b>Gene Summary:</b>	putative protein tyrosine phosphatase based on sequence information, may be involved in signal transduction and/or protein amino acid dephosphorylation [RGD, Feb 2006]