

Product datasheet for **SC116629**

PTPRCAP (NM_005608) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | PTPRCAP (NM_005608) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | PTPRCAP |
| Synonyms: | CD45-AP; LPAP |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC116629 sequence for NM_005608 edited (data generated by NextGen Sequencing) |

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ATGGCTCTGCCCTGCACCTTAGGGCTCGGGATGCTGCTGGCCCTGCCAGGGCCTTGGGC
TCGGGTGGCAGCGCGGAGGACAGCGTGGGCTCCAGCTCTGTCACCGTTGTCCTGCTGCTG
CTGCTGCTCCTACTGCTGGCCACTGGCCTAGCACTGGCCTGGCGCCGCCTCAGCCGTGAC
TCAGGGGGCTACTACCACCCGGCCCGCCTAGGTGCCGCGCTGTGGGGCCGCACGCGGCGC
CTGCTCTGGGCCAGCCCCCAGGTCGCTGGCTGCAGGCCGAGCTGAGCTGGGGTCCACA
GACAATGACCTTGAGCGACAGGAGGATGAGCAGGACACAGACTATGACCACGTCGCGGAT
GGTGGCCTGCAGGCTGACCCTGGGAAGGCGAGCAGCAATGTGGAGAGGCGTCCAGCCCA
GAGCAGGTCCCCGTGCGGGCTGAGGAAGCCAGAGACAGTGACACGGAGGGCGACCTGGTC
CTCGGCTCCCCAGGACCAGCGAGCGCAGGGGGCAGTGCTGAGGCCCTGCTGAGTGACCTG
CACGCCTTTGCTGGCAGCGCAGCCTGGGATGACAGCGCCAGGGCAGCTGGGGGCCAGGGC
CTCCATGTCACCGCACTGTAG
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Clone variation with respect to NM_005608.2



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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_005608 unedited CTATAGGGCGGCCGCTGGNAGTGGGTGCCCGGCACGGAGGGCCTGCGGACCAATGGCT CTGCCCTGCACCTTAGGGCTCGGGATGCTGCTGGCCCTGCCAGGGGCCTTGGGCTCGGGT GGCAGCGCGGAGGACAGCGTGGGCTCCAGCTCTGTACCGTTGTCCTGCTGCTGCTGCTG CTCCTACTGCTGGCCACTGGCCTAGCACTGGCCTGGCGCCGCTCAGCCGTGACTCAGGG GGCTACTACCACCCGGCCCGCTAGGTGCCGCGCTGTGGGGCCGACGCGGCGCCTGCTC TGGGCCAGCCCCCAGGTGCTGGCTGCAGGCCGAGCTGAGCTGGGGTCCACAGACAAT GACCTTGAGCGACAGGAGGATGAGCAGGACACAGACTATGACCAGTCCGCGGATGGTGCC CTGCAGGCTGACCTGGGGAAGGCGAGCAGCAATGTGGAGAGGCGTCCAGCCCAGAGCAG GTCCCCGTGCGGGCTGAGGAAGCCAGAGACAGTACACGGAGGGCGACCTGGTCCTCGGC TCCCCAGGACCAGCGAGCGCAGGGGCGAGTGTGAGGCCCTGCTGAGTACCTGCACGCC TTTGCTGGCAGCGCAGCCTGGGATGACAGCGCCAGGGCAGCTGGGGGCCAGGGCCTCCAT GTCACCGCACTGTAGAGGCCGCTTGGTGTCCCATCCCTGTACAGCCGCTCACTCCCC GTGCCCTGCTTCCCAAGATGCCATGGCTGGACTGGACCCCGAGCCACATGACCATGCC TCAGACTGTACCCCTACCAGTCCCAAGTCCATGTGTACCCCGCTCACCACGGGAAA</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_005608 unedited NAAAGGCTTTCTATGNACCGCGCCGCTATCTANGATCGATTTTTTTTTTTTTTTTTTTTT TTTTTTTTTTTTTTTTTTTTTTACACAGGCTGAAGGATTTTTATTTCAAATGGTTGCCTG ATGCTGTGGTTGGGGGGGCGCTTCCCGTGGTGAGCGGGGTACACATGGACTTGGGAAC TGGTAGGGGTGACAGTCTGAGGCATGGTCACTGTGGCTGGGGTCCAGTCCAGCCATGG CTTTTTGGGAAGCAAAGGCACGGGAGTGAGCGGCTGTGACAGGGATGGGACACAAAAC CGGCCTTTACAGTGCGGTGACATGGAGGCCCTGGCCCCAGTTGCCCTGGCGCTGTCATC CAGGCTGCGCTGCCAGCAAAGGCGTGCAGGCTACTCAGCAGGGCCTCAGCACTGCCCCC TCGCTCGCTGGTCTGGGGAGCCGAGGACCAGGTCGCCCTCCGTGCTACTGTCTTTGGC TTCCCTAGCCCGCACGGGGACCTGCTTTGGGCTGGACCCCTCTCCACATTGTTGCTCGCC TTCCCCAGGGTACGCTGCAGGCCACCATCCGCGACGTGGTCACTGTGCTGCTGCTC ATCCTCTGTGCTAAAGGTCATTGTCTGTGGACCCAGCTAATCTCGGGCTGCAGCCA GCGACCTGGGGGGCTGGCCAAATCAGGCGCCGCTGCGGCCACAGCGCGGCACCTAG GCGGGCCGGTGGTATTAGCCCCCTGATTCACGGCTGAGGCGGCCAGGCCATTGCTAG GCCAGTGGCCAGCATTAGGAGCAGCAGCAGCAGGACACGGTGACAGATCTGGAGCC CACGCTGTC</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_005608 |
| Insert Size: | 1100 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). |

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| 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: | NM_005608.2 , NP_005599.1 |
| RefSeq Size: | 917 bp |
| RefSeq ORF: | 621 bp |
| Locus ID: | 5790 |
| UniProt ID: | Q14761 |
| Cytogenetics: | 11q13.2 |
| Protein Families: | Phosphatase, Transmembrane |
| Gene Summary: | The protein encoded by this gene was identified as a transmembrane phosphoprotein specifically associated with tyrosine phosphatase PTPRC/CD45, a key regulator of T- and B-lymphocyte activation. The interaction with PTPRC may be required for the stable expression of this protein. [provided by RefSeq, Jul 2008] |