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Product datasheet for SC331689

PTPRZ1 (NM_001206838) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Product Name: PTPRZ1 (NM_001206838) Human Untagged Clone

Tag: Tag Free

Symbol: PTPRZ1

Synonyms: HPTPZ; HPTPzeta; phosphacan; PTP-ZETA; PTP18; PTPRZ; PTPZ; R-PTP-zeta-2; RPTPB; RPTPbeta

Vector: pCMV6-Entry (PS100001)

Fully Sequenced ORF:

>SC331689 representing NM_001206838.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGAATCCTAAAGCGTTTCCTCGCTTGCATTCAGCTCCTCTGTGTTTGCCGCCTGGATTGGGCTAAT
GGATACTACAGACAACAGAGAAAACTTGTTGAAGAGATTGGCTGGTCCTATACAGGAGCACTGAATCAA
AAAAATTGGGGAAAGAAATATCCAACATGTAATAGCCCAAAACAATCTCCTATCAATATTGATGAAGAT
CTTACACAAGTAAATGTGAATCTTAAGAAACTTAAATTTCAGGGTTGGGATAAAACATCATTGGAAAAC
ACATTCATTCATAACACTGGGAAAACAGTGGAAATTAATCTCACTAATGACTACCGTGTCAGCGGAGGA
GTTTCAGAAATGGTGTTTAAAGCAAGCAAGATAACTTTTCACTGGGGAAAATGCAATATGTCATCTGAT
GGATCAGAGCATAGTTTAGAAGGACAAAAATTTCCACTTGAGATGCAAATCTACTGCTTTGATGCGGAC
CGATTTTCAAGTTTTGAGGAAGCAGTCAAAGGAAAAGGGAAGTTAAGAGCTTTATCCATTTTGTTTGAG
GTTGGGACAGAAGAAAATTTGGATTTCAAAGCGATTATTGATGGAGTCGAAAGTGTTAGTCGTTTTGGG
AAGCAGGCTGCTTTAGATCCATTCATACTGTTGAACCTTCTGCCAAACTCAACTGACAAGTATTACATT
TACAATGGCTCATTGACATCTCCTCCCTGCACAGACACAGTTGACTGGATTGTTTTTAAAGATACAGTT
AGCATCTCTGAAAGCCAGTTGGCTGTTTTTTGTGAAGTTCTTACAATGCAACAATCTGGTTATGTCATG
CTGATGGACTACTTACAAAACAATTTTCGAGAGCAACAGTACAAGTTCTCTAGACAGGTGTTTTCCTCA
TACACTGGAAAGGAAGAGATTCATGAAGCAGTTTGTAGTTCAGAACCAGAAAATGTTCAGGCTGACCCA
GAGAATTATACCAGCCTTCTTGTTACATGGGAAAGACCTCGAGTCGTTTATGATACCATGATTGAGAAG
TTTGCAGTTTTGTACCAGCAGTTGGATGGAGAGGACCAAACCAAGCATGAATTTTTGACAGATGGCTAT
CAAGACTTGGGTGCTATTCTCAATAATTTGCTACCCAATATGAGTTATGTTCTTCAGATAGTAGCCATA
TGCACTAATGGCTTATATGGAAAATACAGCGACCAACTGATTGTCGACATGCCTACTGATAATCCTGAA
CTTGATCTTTTCCCTGAATTAATTGGAACTGAAGAAATAATCAAGGAGGAGGAAGAGGGAAAAGACATT
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ATTTCTACCACAACACACTACAATCGCATAGGGACGAAATACAATGAAGCCAAGACTAACCGATCCCCA
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ACTGTGGAAGGTACTTCAGCCTCTTTAAATGATGGCTCTAAAACTGTTCTTAGATCTCCACATATGAAC
TTGTCGGGGACTGCAGAATCCTTAAATACAGTTTCTATAACAGAATATGAGGAGGAGAGTTTATTGACC
AGTTTCAAGCTTGATACTGGAGCTGAAGATTCTTCAGGCTCCAGTCCCGCAACTTCTGCTATCCCATTC
ATCTCTGAGAACATATCCCAAGGGTATATATTTTCCTCCGAAAACCCAGAGACAATAACATATGATGTC
CTTATACCAGAATCTGCTAGAAATGCTTCCGAAGATTCAACTTCATCAGGTTCAGAAGAATCACTAAAG

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GATCCTTCTATGGAGGGAAATGTGTGGTTTCCTAGCTCTACAGACATAACAGCACAGCCCGATGTTGGA
TCAGGCAGAGAGAGCTTTCTCCAGACTAATTACACTGAGATACGTGTTGATGAATCTGAGAAGACAACC
AAGTCCTTTTCTGCAGGCCCAGTGATGTCACAGGGTCCCTCAGTTACAGATCTGGAAATGCCACATTAT
TCTACCTTTGCCTACTTCCCAACTGAGGTAACACCTCATGCTTTTACCCCATCCTCCAGACAACAGGAT
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AGCCATGAGTCTCGTATTGGTCTAGCTGAGGGGTTGGAATCCGAGAAGAAGGCAGTTATACCCCTTGTG
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CATGCAAGTAGTGGGTTTACTGAAGAATTTGAGACACTGAAAGAGTTTTACCAGGAAGTGCAGAGCTGT
ACTGTTGACTTAGGTATTACAGCAGACAGCTCCAACCACCCAGACAACAAGCACAAGAATCGATACATA
AATATCGTTGCCTATGATCATAGCAGGGTTAAGCTAGCACAGCTTGCTGAAAAGGATGGCAAACTGACT
GATTATATCAATGCCAATTATGTTGATGGCTACAACAGACCAAAAGCTTATATTGCTGCCCAAGGCCCA
CTGAAATCCACAGCTGAAGATTTCTGGAGAATGATATGGGAACATAATGTGGAAGTTATTGTCATGATA
ACAAACCTCGTGGAGAAAGGAAGGAGAAAATGTGATCAGTACTGGCCTGCCGATGGGAGTGAGGAGTAC
GGGAACTTTCTGGTCACTCAGAAGAGTGTGCAAGTGCTTGCCTATTATACTGTGAGGAATTTTACTCTA
AGAAACACAAAAATAAAAAAGGGCTCCCAGAAAGGAAGACCCAGTGGACGTGTGGTCACACAGTATCAC
TACACGCAGTGGCCTGACATGGGAGTACCAGAGTACTCCCTGCCAGTGCTGACCTTTGTGAGAAAGGCA
GCCTATGCCAAGCGCCATGCAGTGGGGCCTGTTGTCGTCCACTGCAGTGCTGGAGTTGGAAGAACAGGC
ACATATATTGTGCTAGACAGTATGTTGCAGCAGATTCAACACGAAGGAACTGTCAACATATTTGGCTTC
TTAAAACACATCCGTTCACAAAGAAATTATTTGGTACAAACTGAGGAGCAATATGTCTTCATTCATGAT
ACACTGGTTGAGGCCATACTTAGTAAAGAAACTGAGGTGCTGGACAGTCATATTCATGCCTATGTTAAT
GCACTCCTCATTCCTGGACCAGCAGGCAAAACAAAGCTAGAGAAACAATTCCAGCTCCTGAGCCAGTCA
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GCCTCCTATATCATGGGCTATTACCAGAGCAATGAATTCATCATTACCCAGCACCCTCTCCTTCATACC
ATCAAGGATTTCTGGAGGATGATATGGGACCATAATGCCCAACTGGTGGTTATGATTCCTGATGGCCAA
AACATGGCAGAAGATGAATTTGTTTACTGGCCAAATAAAGATGAGCCTATAAATTGTGAGAGCTTTAAG
GTCACTCTTATGGCTGAAGAACACAAATGTCTATCTAATGAGGAAAAACTTATAATTCAGGACTTTATC
TTAGAAGCTACACAGGATGATTATGTACTTGAAGTGAGGCACTTTCAGTGTCCTAAATGGCCAAATCCA
GATAGCCCCATTAGTAAAACTTTTGAACTTATAAGTGTTATAAAAGAAGAAGCTGCCAATAGGGATGGG
CCTATGATTGTTCATGATGAGCATGGAGGAGTGACGGCAGGAACTTTCTGTGCTCTGACAACCCTTATG
CACCAACTAGAAAAAGAAAATTCCGTGGATGTTTACCAGGTAGCCAAGATGATCAATCTGATGAGGCCA
GGAGTCTTTGCTGACATTGAGCAGTATCAGTTTCTCTACAAAGTGATCCTCAGCCTTGTGAGCACAAGG
CAGGAAGAGAATCCATCCACCTCTCTGGACAGTAATGGTGCAGCATTGCCTGATGGAAATATAGCTGAG
AGCTTAGAGTCTTTAGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001206838

Insert Size: 4368 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_001206838.1
RefSeq Size:	5589 bp
RefSeq ORF:	4368 bp
Locus ID:	5803
UniProt ID:	P23471
Cytogenetics:	7q31.32
Protein Families:	Druggable Genome, Phosphatase, Transmembrane
Protein Pathways:	Epithelial cell signaling in Helicobacter pylori infection
MW:	163.6 kDa
Gene Summary:	This gene encodes a member of the receptor protein tyrosine phosphatase family. Expression of this gene is restricted to the central nervous system (CNS), and it may be involved in the regulation of specific developmental processes in the CNS. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, May 2011] Transcript Variant: This variant (2) uses an alternate in-frame donor splice site at an internal coding exon compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.