

## Product datasheet for **SC213396**

### CD45 (PTPRC) (NM\_080922) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	CD45 (PTPRC) (NM_080922) Human 3' UTR Clone
Symbol:	CD45
Synonyms:	B220; CD45; CD45R; GP180; LCA; LY5; T200
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_080922
Insert Size:	1265 bp



[View online »](#)

**Insert Sequence:** >SC213396 3'UTR clone of NM\_080922  
The sequence shown below is from the reference sequence of NM\_080922. The complete sequence of this clone may contain minor differences, such as SNPs.  
Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCAAGTCCAGCTTTAAATCAAGTTCAAGGAAAAGACATAAATGAGGAACTCCAACCTCCTGTTAG
CTGTTATTTCTATTTTTGTAGAAGTAGGAAGTGAATAAGGTATACAGTGGATTAATTAATGCAGCGA
ACCAATATTTGTAGAAGGTTATATTTACTACTGTGGAAAAATTTAAGATAGTTTTGCCAGAACAG
TTTGTACAGAGCTATGCTTATTTAAAAATTTATCTTATTTCAGTAAAAACAACCTTTTGTAAATCG
TTATGTGTGTATATGTATGTGTATGGGTGTGTGTTGTGTGAGAGACAGAGAAAGAGAGAGAATTCT
TTCAAGTGAATCTAAAAGCTTTTGCTTTTCCTTTGTTTTATGAAGAAAAATACATTTTATATTAGAA
GTGTTAACTTAGCTTGAAGGATCTGTTTTAAAAATCATAAACTGTGTGCAGACTCAATAAAATCATGT
ACATTTCTGAAATGACCTCAAGATGTCCTCCTTGTCTACTCATATATCTATCTTATATAGTTTACT
ATTTTACTTCTAGAGATAGTACATAAAGTGGTATGTGTGTGTATGCTACTACAAAAAGTTGTTAACT
AAATTAACATTGGGAAATCTTATATTCCATATATTAGCATTAGTCCAATGTCTTTTTAAGCTTATTTA
ATTAATAAATTTCCAGTGAGCTTATCATGCTGCTTTACATGGGGTTTTCAATTTTGCATGCTCGATTA
TTCCCTGTACAATATTTAAAAATTTATGCTTGATACTTTTGACAACAAATTAGGTTTTGTACAATTGAA
CTTAAATAAATGTCATTAATAAATAAATGCAATATGTATTAATATTCATTGTATAAAAAATAGAAGAA
TACAAACATATTTGTTAAATATTTACATATGAAATTAATATAGCTATTTTTATGGAATTTTTCATTGA
TATGAAAAATATGATATTGCATATGCATAGTCCCATGTTAAATCCCATTCATAACTTTTCATTAAGCA
TTTACTTTGAATTTCTCCAATGCTTAGAATGTTTTTACCAGGAATGGATGTCGCTAATCATAATAAAT
TCAACCATTATTTTTTTCTGTTTATAATACATTGTGTTATATGTTCAAATATGAAATGTGTATGCACC
TATTGAAATATGTTAATGCATTATTAACATTTGCAGGACACTTTTACAGGCCCAATTATCCAATAG
TCTAATAATTGTTAAGATCTAG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_080922.2](#)

**Summary:**

The protein encoded by this gene is a member of the protein tyrosine phosphatase (PTP) family. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitosis, and oncogenic transformation. This PTP contains an extracellular domain, a single transmembrane segment and two tandem intracytoplasmic catalytic domains, and thus is classified as a receptor type PTP. This PTP has been shown to be an essential regulator of T- and B-cell antigen receptor signaling. It functions through either direct interaction with components of the antigen receptor complexes, or by activating various Src family kinases required for the antigen receptor signaling. This PTP also suppresses JAK kinases, and thus functions as a regulator of cytokine receptor signaling. Alternatively spliced transcripts variants of this gene, which encode distinct isoforms, have been reported. [provided by RefSeq, Jun 2012]

**Locus ID:**

5788

**MW:**

49.4