

## Product datasheet for **SC214736**

### PTP kappa (PTPRK) (NM\_001135648) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	PTP kappa (PTPRK) (NM_001135648) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	PTPRK
Synonyms:	R-PTP-kappa
ACCN:	NM_001135648
Insert Size:	1472 bp



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<b>Insert Sequence:</b>	<p>&gt;SC214736 3'UTR clone of NM_001135648 The sequence shown below is from the reference sequence of NM_001135648. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC GTAGCTTTGGAGTACCTGGAATCATCTAGTTGGGTGAGACTCTTTAAAGTGCATCCATGAAGAAACCT GTCATCTATTGAGCCAGCAGCTGTTGTACCTGTTACACTTGTGCAGAAAAGATTTAATGTGGGGGTG GGAGACTTTTACATTTGAGAGGTAAAAGTATTTTTTTTATGAAGTTGTGTATCTTAATAAAAAGGACTG AATTAGTTTTTACTATATTAAGCATCAACATTTTCATGCCACATAAATTATATTTAATAAGAACCA GATTGAAATGAGAACGATTGGTGTGTACAGTGAACATGCCACCTTTTTTCTCATGGTTTCAGTAGA GCAGCTACCACATGTTGCATGAGTTCATACTTTCTACGTGGCATTCTCCCTTCTAAAATGAAAGC TGATGAATCTTAAAGGAAGAAGAAAAGAAAAGCTGTGCAAATTCATAGTAAAGTTCGTTTTTATATG TTCCAGTGTAGCAGATCTATATAAATATATAAATATATAACTGGCTTATTTCTTTAATGTGC AATGATGGCTGGATCATTAAAGTCTTTTTAGAAAATAACATAAGCCAAGACTCAAGGTAAATATG TCTATATGGAGAAAGCACATTATATTTATTGGTTACTTACATTCCTTTTTGATGGCTAAAATACTACC ACCACACAATCATCTTTTTTCTGAAGAAAGCTTTTTCTTTAGCTAAAATCAATTGTAACGATTTT TGTAGATTATTTTTGTATGTTTAGTGAAGTAGAAGATAAACTTTTTTTCATAAACCAGGAAGCAA TGTTCTTTATAGTGATTCTTTGTGTACATGCTTGTGAATTAATTTGTGTAATCCCTTGGAATTG GGTCTTTAATATAGGACCAAATTAACATTTTGTCTGAATATGTATAGTTTTTCAAAATTCATTAGG TAAATAATGGTTTGGTGATCATAATGAGAAATGTACACATTAAGGCTTGTGACAACCTTGACACAA TGTTGAACATAGCCTTTAAGCATCATTAAATTTAAAGGAATGGAGTTTTTCAGCCTGTGGCCAGCA CTGGTCAAGAAAACAAGATGGCAACATATAGCTTTTCAAGGTCAAATTTGAGCAAACCTGTAACCTGCA GGTGATAAAAATGTTTCTCTGTATGTTTACATGCACAAGCTTTGCGTTCTGACTATAAAAAGTGAAC AAATCAATGCCAGATTCCTGTTTGCAGATTGTCATGGGATTCTTAAGTGAACCTTTCTAAATGTGGTC TTGTTACATGCTCCACGTAGCTGTAACCTCACATCATCAGCTTGCAGTTTGAATTTGACTAAAGCATT CCAGTGTCTCTTTCTAGATTGCCAGCTCATGACATGGTGCTTATAAAGATTTAATTAAGTAAGAATG AAATAAAGTTTTTATAATTATAA ACGCGTAAGCGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCACCGCCGCTTCTATGAAAGG</pre>
<b>Restriction Sites:</b>	Sgfl-Mlul
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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.
<b>RefSeq:</b>	<a href="#">NM_001135648.3</a>

**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, mitotic cycle, and oncogenic transformation. This PTP possesses an extracellular region, a single transmembrane region, and two tandem catalytic domains, and thus represents a receptor-type PTP. The extracellular region contains a meprin-A5 antigen-PTP mu (MAM) domain, an Ig-like domain and four fibronectin type III-like repeats. This PTP was shown to mediate homophilic intercellular interaction, possibly through the interaction with beta- and gamma-catenin at adherens junctions. Expression of this gene was found to be stimulated by TGF-beta 1, which may be important for the inhibition of keratinocyte proliferation. [provided by RefSeq, Jul 2008]

**Locus ID:**

5796

**MW:**

56.8