

Product datasheet for **SC214735**

PTP kappa (PTPRK) (NM_002844) Human 3' UTR Clone

Product data:

| | |
|---------------|--|
| Product Type: | 3' UTR Clones |
| Product Name: | PTP kappa (PTPRK) (NM_002844) Human 3' UTR Clone |
| Vector: | pMirTarget (PS100062) |
| Symbol: | PTPRK |
| Synonyms: | R-PTP-kappa |
| ACCN: | NM_002844 |
| Insert Size: | 1472 bp |



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Insert Sequence: >SC214735 3'UTR clone of NM_002844
 The sequence shown below is from the reference sequence of NM_002844. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GTAGCTTTGGAGTACCTGGAATCATCTAGTTGGGTGAGACTCTTTAAAGTGCATCCATGAAGAAACCT
GTCATCTATTGAGCCAGCAGCTGTTGTACCTGTTACACTTGTGCAGAAAAGATTTAATGTGGGGGTG
GGAGACTTTTACATTTGAGAGGTAAGTATTTTTTTTATGAAGTTGTGTATCTTAATAAAAAGGACTG
AATTAGTTTTTACTATATTAAGCATCAACATTTTCATGCCACATAAATTATTTAATAAGAACCA
GATTGAAATGAGAACGATTGGTGTGTACAGTGAACATGCCACCTTTTTTCTCATGGTTTCAGTAGA
GCAGCTACCACATGTTGCATGAGTTCATACTTTCTACGTGGCATTCTCCCTTCTAAAATGAAAGC
TGATGAATCTTAAAGGAAGAAGAAAAGAAAAGCTGTGCAAATTCATAGTAAAGTTCGTTTTTATATG
TTCCAGTGTAGCAGATCTATATAAATATATAAATATATAACTGGCTTATTTCTTTAATGTGC
AATGATGGCTGGATCATTAAAGTCTTTTTAGAAAATAACATAAGCCAAGACTCAAGTGTAAATATG
TCTATATGGAGAAAGCACATTATATTTATTGGTACTTACATTCCTTTTTGATGGCTAAAATACTACC
ACCACACAATCATCTTTTTTCTGAAGAAAGCTTTTTCTTTAGCTAAAATCAATTGTAACGATTTT
TGTAGATTATTTTTGTATGTTTAGTGTAAAGTAGAAGATAAACTTTTTTTCATAAACCAGGAAGCAA
TGTTCTTTATAGTGATTCTTTGTGTACATGCTTGTGAATTAATTTGTGTAATAAACCCTTGGAATTG
GGTCTTTAATATAGGACCAAATTAACATTTTGTCTGAATATGTATAGTTTTTACAAATTCATTAGG
TAAATAATGGTTTGGTGATCATAATGAGAAATGTACACATTAAGGCTTGTGACAACCTTGACAAA
TGTTGAACATAGCCTTTAAGCATCATTAAATTTAAAGGAATGGAGTTTTTCAGCCTGTGGCCAGCA
CTGGTCAAGAAAACAAGATGGCAACATATAGCTTTTCAGGGTCAAATTTGAGCAAACCTGTAACCTGCA
GGTGATAAAAATGTTTCTCTGTATGTTTACATGCACAAGCTTTGCGTTCTGACTATAAAAAGTGTAAAC
AAATCAATGCCAGATTCCTGTTTGCAGATTGTCATGGGATTCTTAAGTGAACCTTTCTAAATGTGGTC
TTGTTACATGCTCCACGTAGCTGTAACCTCACATCATCAGCTTGCAGTTTGTAAATTGACTAAAGCATT
CCAGTGTCTCTTCTAGATTGCCAGCTCATGACATGGTGCTTATAAAGATTTAATTAAGTAAGAATG
AAATAAAGTTTTTATAATTATAA
ACGCGTAAGCGCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-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_002844.4](#)

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