

Product datasheet for TP327943L

PTP kappa (PTPRK) (NM_001135648) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, receptor type, K (PTPRK), transcript variant 1, 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227943 representing NM_001135648 Red=Cloning site Green=Tags(s)

MDTTAAAALPAFVALLLLSPWPLLGSAQGQFSAGGCTFDDGPGACDYHQDLYDDFEWVHVSAQEPHYLPP
EMPQGSYMIVDSSDHPGEEKARLQLPTMKENDTHCIDFSYLLYSQKGLNPGTLNILVRVKNKGPLANPIWN
VTGFTGRDWLRAELAVSTFWPNEYQVIFEAESVGGRSYIAIDDIQVLSYPCDKSPHFLRLGDVEVNAGQ
NATFQCIATGRDAVHNKLWLQRRNGEDIPVAQTKNINHRRFAASFRLQEVTKTDQDLYRCVTQSERGSGV
SNFAQLIVREPPRIAPPQLLGVGPTYLLIQLNANSIIGDGPILKEVEYRMTSGSWTETHAVNAPTYKL
WHLDPDTEYEIRVLLTRPGEGGTGLPGPPLITRTKCAEPMRTPKTLKIAEIQARRIAVDWESLGYNITRC
HTFNVTICYHYFRGHNESKADCLDMDPKAPQHVVNHLPPYTNVSLKMILTNPPEGRKESEETIITQDEDVP
GPVPVKSQGTSFENKIFLNWKEPLDPNGIITQYEISYSSIRSFDPAPVAVAGPPQTVSNLWNSTHHVFMH
LHPGTTYQFFIRASTVKGFPGATAINVTTNISAPTLPDYEGVDASLNETATTITVLLRPAQAKGAPISAY
QIIVVEELPHRHKREAGAMECYQVPVYQNAMSGGAPYFAAELPPGNLPEPAPFTVGDNRTYQGFWNPP
LAPRKGNYIFQAMSSVEKETKTQCVRIATKAAATEEPEVIPDPAKQTDREVVKIAGISAGILVFILLLLV
VILIVKSKLAKKRKDAMGNTRQEMTHMVNAMDRSYADQSTLHAEDPLSITFMDQHNFSPRYENHSATAE
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NRAKNRYGNIIAYDHSRVLQPVEDDPSSDIYANANYIDIWLYRDGYQRPSHYIATQGPVHETVYDFWRMI
WQEQSACIVMVTNLVEVGRVKCYKYWPDDTEVYGDVKVTCVEMEPLAEYVVRTFTLERRGYNEIREVKQF
HFTGWPDHGVPHYHATGLLSFIRRVKLSNPPSAGPIVVHCSAGAGRTGCYIVIDIMLDMAEREGVVDIYNC
VKALRSRRINMVQTEEQYIFIHDAILEACLCGETAIPVCEFKAAAYFDMIRIDSQTNSSHLKDEFQTLNSV
TPRLQAEDCSIACLPRNHDKNRFMDMLPPDRCLPFLITIDGESSNYINAALMDSYRQPAAFIVTQYPLPN
TVKDFWRLVYDYGCTSIVMLNEVDLSQGCPQYWPEEGMLRYGPIQVECMSCSMDCDVINRIFRICNLTRP
QEGYLMVQQFQYLGWASHREVPGSKRSFLKILQVEKWQEECEEGEGRTIHCNNGGGRSGMFCAIGIV
EMVKRQNVVDVFHAVKTLRNSKPNMVEAPEQYRFCYDVALEYLESS

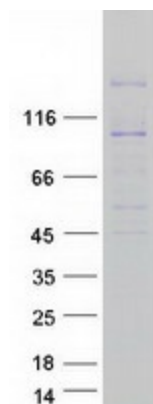
SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



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Predicted MW:	160.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001129120
Locus ID:	5796
UniProt ID:	Q15262
Cytogenetics:	6q22.33
RefSeq ORF:	4338
Synonyms:	R-PTP-kappa
Summary:	<p>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]</p>
Protein Families:	Druggable Genome, Phosphatase, Transmembrane

Product images:

Coomassie blue staining of purified PTPRK protein (Cat# [TP327943]). The protein was produced from HEK293T cells transfected with PTPRK cDNA clone (Cat# [RC227943]) using MegaTran 2.0 (Cat# [TT210002]).