

## Product datasheet for TP327943

### 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, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC227943 representing NM_001135648 Red=Cloning site Green=Tags(s)

MDTTAAAALPAFVALLLLSPWPLLGSAQGQFSAGGCTFDDGPGACDYHQDLYDDFEWVHVSAQEPHYLPP  
EMPQGSYMIVDSSDHPGKARLQLPTMKENDTHCIDFSYLLYSQKGLNPGTLNILVRVKNKGPLANPIWN  
VTGFTGRDWLRAELAVSTFWPNEYQVIFEAESVGGRSYIAIDDIQVLSYPCDKSPHFLRLGDVEVNAGQ  
NATFQCIATGRDAVHNKLWLQRRNGEDIPVAQTKNINHRRFAASFRLQEVTKTDQDLYRCVTQSERGSGV  
SNFAQLIVREPPRIAPPQLLGVGPTYLLIQLNANSIIGDGPILKEVEYRMTSGSWTETHAVNAPTYKL  
WHLDPDTEYEIRVLLTRPGEGGTGLPGPPLITRTKCAEPMRTPKTLKIAEIQARRIAVDWESLGYNITRC  
HTFNVTICYHYFRGHNESKADCLDMDPKAPQHVVNHLPPYTNVSLKMILTNPPEGRKESEETIIQTDDEDVP  
GPVPVKSQGTSFENKIFLNWKEPLDPNGIITQYEISYSSIRSFDPAPVPVAGPPQTVSNLWNSTHHVFMH  
LHPGTTYQFFIRASTVKGFGPATAINVTTNISAPTLPDYEGVDASLNETATTITVLLRPAQAKGAPISAY  
QIIVVEELHPHRTKREAGAMECYQVPVYQNAMSGGAPYYFAAELPPGNLPEPAPFTVGDNRTYQGFWNPP  
LAPRKGNYIFQAMSSVEKETKTQCVRIATKAAATEEPEVIPDPAKQTDREVVKIAGISAGILVFILLLLV  
VILIVKSKLAKKRKDAMGNTRQEMTHMVNAMDRSYADQSTLHAEDPLSITFMDQHNFSPRYENHSATAE  
SSRLLDVPRYLCEGTESPYQTGQLHPAIRVADLLQHINLMKTSDSYGFKEEYESFFEGQSASWDVAKKDQ  
NRAKNRYGNIIAYDHSRVLQPVEDDPSSDIYANANYIDIWLYRDGYQRPSHYIATQGPVHETVYDFWRMI  
WQEQSACIVMVTNLVEVGRVKCYKYWPDDTEVYGDVKVTCVEMEPLAEYVVRTFTLERRGYNEIREVKQF  
HFTGWPDHGVPHYATGLLSFIRRVKLSNPPSAGPIVVHCSAGAGRTGCYIVIDIMLDMAEREGVVDIYNC  
VKALRSRRINMVQTEEQYIFIHDAILEACLCGETAIPVCEFKAAAYFDMIRIDSQTNSSHLKDEFQTLNSV  
TPRLQAEDCSIACLPRNHDKNRFMDMLPPDRCLPLITIDGESSNYINAALMDSYRQPAAFIVTQYPLPN  
TVKDFWRLVYDYGCTSIVMLNEVDLSQGCPQYWPEEGMLRYGPIQVECMSCSMDCDVINRIFRICNLTRP  
QEGYLMVQQFQYLGWASHREVPGSKRSFLKILQVEKWQEECEEGEGRTIIHCLNGGGRSGMFCAIGIV  
EMVKRQNVVDVFHAVKTLRNSKPNMVEAPEQYRFCYDVALEYLESS

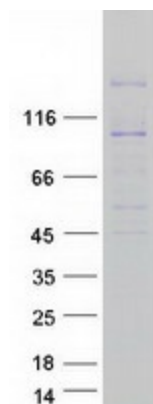
SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK



[View online »](#)

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