

Recombinant Human PTPRK Protein, MYC/DDK-tagged

Cat. No. PTPRK-3120H Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Human PTPRK protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.

Species Human

Source HEK293

Description 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.

Form 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

Molecular Mass 160.3 kDa

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name PTPRK protein tyrosine phosphatase, receptor type, K [Homo sapiens]

Official Symbol PTPRK

Synonyms R-PTP-kappa

Gene ID 5796

mRNA Refseq NM_001135648

Protein Refseq NP_001129120

MIM 602545

UniProt ID Q15262

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