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PTPRE Protein (Transcript Variant 2) (Myc-DYKDDDDK Tag)



Overview

Image



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Quantity:	20 μg
Target:	PTPRE
Protein Characteristics:	Transcript Variant 2
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PTPRE protein is labelled with Myc-DYKDDDDK Tag.

Application: Antibody Production (AbP), Standard (STD)

Product Details

Characteristics:

 Recombinant human PTPRE (transcript variant 2) protein expressed in HEK293 cells.
 Produced with end-sequenced ORF clone

 Purity:

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

Target Details

Target:	PTPRE
Alternative Name:	Ptpre (PTPRE Products)
Background:	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. Several
	alternatively spliced transcript variants of this gene have been reported, at least two of which

Target Details

encode a receptor-type PTP that possesses a short extracellular domain, a single transmembrane region, and two tandem intracytoplasmic catalytic domains another one encodes a PTP that contains a distinct hydrophilic N-terminus, and thus represents a nonreceptor-type isoform of this PTP. Studies of the similar gene in mice suggested the regulatory roles of this PTP in RAS related signal transduction pathways, cytokine-induced SATA signaling, as well as the activation of voltage-gated K+ channels.

Molecular Weight:

74.4 kDa

NCBI Accession:

NP_569119

Application Details

Application Notes: Recombinant human proteins can be used for:

Native antigens for optimized antibody production

Positive controls in ELISA and other antibody assays

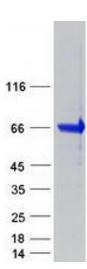
Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze

immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot