

Product datasheet for **TP317899M**

PTP epsilon (PTPRE) (NM_130435) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, receptor type, E (PTPRE), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217899 representing NM_130435 Red =Cloning site Green =Tags(s)

MSNRSSFRLTWFRKQRKAVVSTSDKKMPNGILEEQEQQRVMLLSRSPSGPKKYFPIVVEHLEEEIRIRS
ADDCKQFREEFNSLPSGHIQGTFFELANKEENREKNRYPNLPNDHSRVLSQLDGIPCSDYINASYIDGY
KEKNKFIAAQGPKQETVNDFWRMVWEQKSATIVMLTNLKERKEEKCHQYWPDQGCWTYGNIRVCVEDCV
LVDYTIKFCIQPLPDGCKAPRLVSQLHFTSWPDFGVPFTPIGMLKFLKVKVTLNPNVHAGPIVHCSAG
VGRTGTFIVIDAMMAMMHAEQKVDVFEFVSRIRNQRPMVQTDMMQYTFIYQALLEYYLYGDTLQVSSLE
KHLQTMHGTTTTFDKIGLEEEFRKLTNVRIMKENMRTGNL PANMKKARVIQIIPYDFNRVILSMKRGQY
TDYINASFIDGYRQKDYFIATQGPLAHTVEDFWRMIWEWKSHTIVMLTEVQEREQDKCYQYWPTEGSVTH
GEITIEIKNDTLSEAISIRDFLVTLNQPQARQEEQVRVVRQFHFGWPEIGIPAEGKGMIDLIAAVQKQQ
QQTGNHPITVHCSAGAGRTGTFIALSNILERVKAEGLLDVFQAVKSLRLQRPHMVQTLEQYEFQYKVVQD
FIDIFSDYANFK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

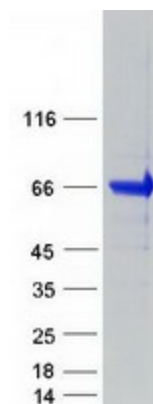
Tag:	C-Myc/DDK
Predicted MW:	74.4 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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.



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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_569119
Locus ID:	5791
UniProt ID:	P23469 , A8K2Z9
RefSeq Size:	5002
Cytogenetics:	10q26.2
RefSeq ORF:	1926
Synonyms:	HPTPE; PTPE; R-PTP-EPSILON
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. Several alternatively spliced transcript variants of this gene have been reported, at least two of which 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. [provided by RefSeq, Oct 2015]
Protein Families:	Druggable Genome, Phosphatase, Transmembrane

Product images:



Coomassie blue staining of purified PTPRE protein (Cat# [TP317899]). The protein was produced from HEK293T cells transfected with PTPRE cDNA clone (Cat# [RC217899]) using MegaTran 2.0 (Cat# [TT210002]).