

Product datasheet for TP313126M

PTPRN2 (NM_130842) Human Recombinant Protein

Product data:

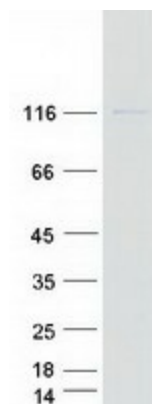
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human protein tyrosine phosphatase, receptor type, N polypeptide 2 (PTPRN2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213126 representing NM_130842 Red =Cloning site Green =Tags(s)
	<p>MGPPLPLLLLLLLLLPPRVLPAAPSSVPRGRQLPGRLDGVFGRCQKVPAMDFYRYEVSPVALQRLRVALQ KLSGTGFTWQDDYTQYVMDQELADLPKTYLRRPEASSPARPSKHSVGSERRYSREGGAALANALRRHLPF LEALSQAPASDVLARTHTAQRPPAEGDDRFSESILTYVAHTSALTYPPGPRTQLREDLLPRTLGLQLQPD ELSPKVDSGVDRHHLMAALSAYAAQRPPAPPGEGSLEPQYLLRAPSRMPRPLLAAPQKWPSPLGSDSED PSSTGDGARIHTLLKDLQRQPAEVRGLNGLELDGMAELMAGLMQGVHDGVARGSPGRAALGESGEQADGP KATLRGDSFPDDGVQDDDDRLYQEVHRLSATLGGLLQDHGSRLPGALPFARPLDMERKKSEHPPESSLSS EEETAGVENVKSQTYSKDLLGQQPHSEPGAAAFGELQNMMPGPSKEEQSLPAGAQAELSDGLQLEVQPSE EEARGYIVTDRDPLRPEEGRRLLVEDVARLLQVPSSAFADVEVLGPAVTFKVSANVQNVTTEDVEKATVDN KDKLEETSGLKILQTGVGSKSKLFLPPQAEQEDSTKFIALLVSLACILGVLLASGLIYCLRHSSQHRL KEKLSGLGGDPGADATAAYQELCRQRMATRPPDRPEGPHTSRISVSSQFSDGPIPSARSASSASSWSEE PVQSNMDISTGHMILSYMEDHLKKNRLEKEWEALCAYQAEPNSSFVAQREENVPKNRSLAVLTYDHSRV LLKAENSHSHSDYINASPIMDHDPRNPAYIATQGPLPATVADFWMVWESGCVIVMLTPLAENGVRQCY HYWPDEGSNLYHIYEVNLVSEHIWCEDFLVRSFYLNKLNQTNETRTVTQFHFLSWYDRGVPSSSRSLDFR RKVNKCYRGRSCPIIVHCSDGAGRSPTYVLDMLVNLKMAKGAKEIDIAATLEHLRDQRPGMVQTKEQFEF ALTAVAEVNAILKALPQ</p> <p>SGPTRRRLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	109.4 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



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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_570857
Locus ID:	5799
UniProt ID:	Q92932
RefSeq Size:	4716
Cytogenetics:	7q36.3
RefSeq ORF:	2994
Synonyms:	IA-2beta; IAR; ICAAR; PTPRP; R-PTP-N2
Summary:	This gene encodes a protein with sequence similarity to receptor-like protein tyrosine phosphatases. However, tyrosine phosphatase activity has not been experimentally validated for this protein. Studies of the rat ortholog suggest that the encoded protein may instead function as a phosphatidylinositol phosphatase with the ability to dephosphorylate phosphatidylinositol 3-phosphate and phosphatidylinositol 4,5-diphosphate, and this function may be involved in the regulation of insulin secretion. This protein has been identified as an autoantigen in insulin-dependent diabetes mellitus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Type I diabetes mellitus

Product images:



Coomassie blue staining of purified PTPRN2 protein (Cat# [TP313126]). The protein was produced from HEK293T cells transfected with PTPRN2 cDNA clone (Cat# [RC213126]) using MegaTran 2.0 (Cat# [TT210002]).