

Recombinant Human PTPRN2 Protein, MYC/DDK-tagged

Cat. No. PTPRN2-3161H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PTPRN2 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
Species	Human
Source	HEK293
Description	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.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	109.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	PTPRN2 protein tyrosine phosphatase, receptor type, N polypeptide 2 [Homo sapiens]
Official Symbol	PTPRN2
Synonyms	IA-2beta; IAR; ICAAR; PTPRP; R-PTP-N2
Gene ID	5799
mRNA Refseq	NM_002847
Protein Refseq	NP_002838
MIM	601698
UniProt ID	Q92932

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