

Recombinant Human PTPRN2 cell lysate

Cat. No. PTPRN2-1441HCL Lot. No. (See product label)

SPECIFICATION

Species

Human

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 a single intracellular catalytic domain, and thus represents a receptor-type PTP. The catalytic domain of this PTP is most closely related to PTPRN/IA-2beta. This PTP and PTPRN are both found to be major autoantigens associated with insulin-dependent diabetes mellitus. Three alternatively spliced transcript variants of this gene, which encode distinct proteins, have been reported.

Size

100 ul

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Applications

Western Blot;

GENE INFORMATION

Gene Name

PTPRN2 protein tyrosine phosphatase, receptor type, N polypeptide 2 [Homo sapiens]

Official Symbol

PTPRN2

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Synonyms	PTPRN2; protein tyrosine phosphatase, receptor type, N polypeptide 2; receptor-type tyrosine-protein phosphatase N2; IA 2beta; IAR PTPRP; ICAAR; KIAA0387; phogrin; tyrosine phosphatase IA-2 beta; islet cell autoantigen-related protein; protein tyrosine phosphatase receptor pi; IAR/receptor-like protein-tyrosine phosphatase; IAR; PTPRP; IA-2beta; R-PTP-N2;
Gene ID	5799
mRNA Refseq	NM_002847
Protein Refseq	NP_002838
MIM	601698
UniProt ID	Q92932
Chromosome Location	7q36
Pathway	Type I diabetes mellitus, organism-specific biosystem; Type I diabetes mellitus, conserved biosystem;
Function	hydrolase activity; receptor activity; transmembrane receptor protein tyrosine phosphatase activity;

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