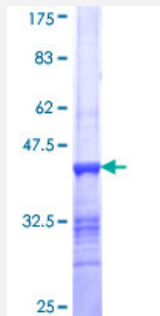


PTPRN2 (Human) Recombinant Protein (Q01)

Catalog # H00005799-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PTPRN2 partial ORF (NP_002838, 108 a.a. - 212 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ELADLPKTYLRRPEASSPARPSKHSVGSERRYSREGGAALANALRRHLPFLEALSQAPASDVLA RTHTAQDRPPAEGDDRFSESILTYAHTSALTYPGPRTQL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.29
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PTPRN2

Entrez GeneID [5799](#)

GeneBank Accession# [NM_002847](#)

Protein Accession# [NP_002838](#)

Gene Name PTPRN2

Gene Alias IA-2beta, IAR, ICAAR, PTPRP

Gene Description protein tyrosine phosphatase, receptor type, N polypeptide 2

Omim ID [601698](#)

Gene Ontology [Hyperlink](#)

Gene 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. 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. [provided by RefSeq]

Other Designations IAR/receptor-like protein-tyrosine phosphatase|phogrin|protein tyrosine phosphatase receptor p|tyrosine phosphatase IA-2 beta

Pathway

- [Type I diabetes mellitus](#)

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chromosome Deletion](#)
- [Chronic Disease](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)