

IA2/PTPRN recombinant protein

Recombinant Human IA2/PTPRN Protein (Met687-Gln979, N-6His)

CATALOG #
AAA22118

HOST
E Coli

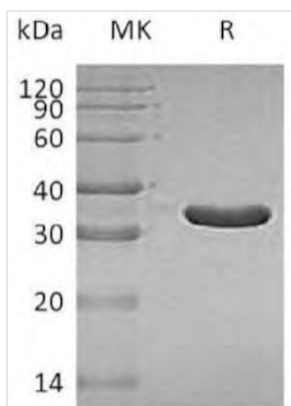
PRODUCT SYNONYMS

IA2/PTPRN; Recombinant Human IA2/PTPRN Protein (Met687-Gln979; N-6His); Receptor-type tyrosine-protein phosphatase-like N; R-PTP-N; Islet cell antigen 512; ICA 512; Islet cell autoantigen 3; PTP IA-2; PTPRN; ICA3; ICA512; IA2/PTPRN recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95% as determined by reducing SDS-PAGE.
Form/Format	Supplied as a 0.2 µm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0.
Concentration	1.44 mg/mL (varies by lot)
Sequence Positions	Met687-Gln979
Sequence Length	950
Species	Human
Endotoxin	<1.0 EU per µg as determined by the LAL test.
Fusion Tag	N-6His
Preparation and Storage	Storage: Store at < -20 degree C, stable for 6 months after receipt. Please minimize freeze-thaw cycles. Shipping: This product is provided as liquid. It is shipped at frozen temperture with blue ice/gel packs. Upon receipt , store it immediately at <-20°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IA2/PTPRN recombinant protein	Receptor-type tyrosine-protein phosphatase-like N (PTPRN) belongs to the protein-tyrosine phosphatase family and receptor class 8 subfamily. PTPRN contains 1 tyrosine-protein phosphatase domain, is expressed in neuroendocrine cells only. PTPs are known to be signaling molecules that regulate a variety of cellular processes including cell growth, differentiation, mitotic cycle, and oncogenic transformation. It implicated in neuroendocrine secretory processes. It may be involved in processes specific for neurosecretory granules, such as their biogenesis, trafficking or regulated exocytosis or may have a general role in neuroendocrine functions. It seems to lack intrinsic enzyme activity, may play a role in the regulation of secretory granules via its interaction with SNTB2. This PTP was found to be an autoantigen that is reactive with insulin-dependent diabetes mellitus (IDDM) patient sera, and thus may be a potential target of autoimmunity in diabetes mellitus.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	315113878
NCBI GeneID	5798
NCBI Accession #	NP_001186692.1
NCBI GenBank Nucleotide #	NM_001199763.1
UniProt Accession #	Q16849; Q08319; Q53QD6; Q6NSL1; B4DK12; F5GZS3
Molecular Weight	Molecular Mass: 35.6 kDa Actual Protein Molecular Mass: 33 kDa
NCBI Official Full Name	receptor-type tyrosine-protein phosphatase-like N isoform 2
NCBI Official Synonym Full Names	protein tyrosine phosphatase, receptor type N
NCBI Official Symbol	PTPRN
NCBI Official Synonym Symbols	IA2; IA-2; ICA512; R-PTP-N; IA-2/PTP
NCBI Protein Information	receptor-type tyrosine-protein phosphatase-like N
UniProt Protein Name	Receptor-type tyrosine-protein phosphatase-like N
UniProt Gene Name	PTPRN
UniProt Synonym Gene Names	ICA3; ICA512; ICA 5121 PublicationManual assertion based on opinion iniRef.7; ICA512-NTF; ICA512-TMF; ICA512-CCF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ptprn-recombinant-protein-e-coli/22118>