IA2 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	IA2, Recombinant Protein
Full Product Name	Human IA2 (35.6 kD) Recombinant Protein N-6 His Tag
Product Gene Name	IA2 recombinant protein
Product Synonym Gene Name	PTPRN
Host	E Coli
Form/Format	This is a Liquid protein buffered in supplied as a 0.2um filtered solution of 20mM Tris, 150mM NaCl, pH8.0. It is not recommended to reconstitute to a concentration less than 100UG/ml
Purity/Purification	Greater than 95% as determined by reducing SDS-PAGE. Endotoxin level less than 0.1 ng/ug (1 IEU/ug) as determined by LAL test.
Preparation and Storage	Store at -20 degree C, stable for 6 months after receipt. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Species	Human
Tag	N-6 His
Related Product Information for IA2 recombinant protein	Human IA2 (35.6 kD) Recombinant Protein N-6 His Tag has been recombinantly produced in E Coli. 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. This recombinant protein can be used for biological assays.
Other Notes	Small volumes of IA2 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for IA2 purchase	MBS8432242 is a recombinant protein targeting IA2. Also known as Human IA2 (35.6 kD) Recombinant Protein N-6 His Tag. Host: E Coli.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for IA2. It may not necessarily be applicable to this product.

Protein Family	U5-theraphotoxin
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

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