

Product datasheet

Recombinant Human ICA 512/PTPRN protein ab42590

Description

Product name	Recombinant Human ICA 512/PTPRN protein
Purity	> 95 % SDS-PAGE.
Expression system	Escherichia coli
Accession	Q16849
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	59 kDa including tags
Amino acids	693 to 979
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab42590** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Phosphatase Activity
Form	Liquid
Additional notes	This protein may be useful for the study of regulation, and to dephosphorylate target substrates. It seems to lack intrinsic enzyme activity. Previously labelled as PTPIA2 / PTPRN.

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.307% Glutathione, 0.0154% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 0.0584% EDTA, 50% Glycerol (glycerin, glycerine), 0.435% Sodium chloride
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General Info

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Function	Implicated in neuroendocrine secretory processes. 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. Seems to lack intrinsic enzyme activity. May play a role in the regulation of secretory granules via its interaction with SNTB2.
Tissue specificity	Expression is restricted to neuroendocrine cells. Found in pancreas, brain and pituitary.
Sequence similarities	Belongs to the protein-tyrosine phosphatase family. Receptor class 8 subfamily. Contains 1 tyrosine-protein phosphatase domain.
Post-translational modifications	Appears to undergo multiple proteolytic cleavage at consecutive basic residues.
Cellular localization	Membrane. Neuroendocrine secretory granules.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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