

Recombinant human PTPRS protein ab90018

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Description

Product name	Recombinant human PTPRS protein
Biological activity	Specific Activity: 223.2 pmol/min/mg. The specific activity of PTPRS was determined using pNPP. Enzyme reaction condition: 20 mM pNPP, 2 min incubation at 30°C, 1 ug enzyme. Assay buffer: 50 mM HEPES, pH 7.4, 2 mM EDTA, 3 mM DTT, 100 mM NaCl, 50 mM pNPP.
Purity	> 70 % SDS-PAGE.
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	98 kDa including tags
Amino acids	883 to 1501
Tags	GST tag N-Terminus
Additional sequence information	GenBank Accession No. BC104812

Specifications

Our **Abpromise guarantee** covers the use of **ab90018** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Liquid

Preparation and Storage

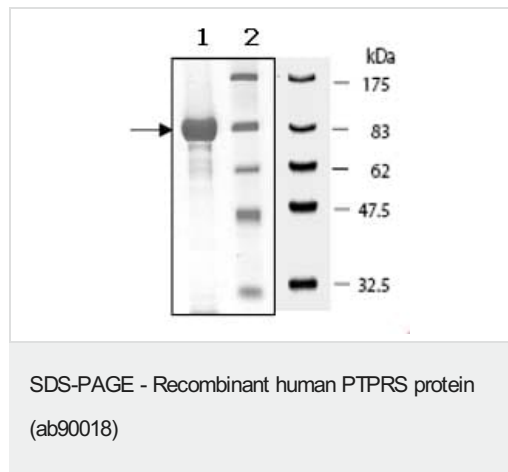
Stability and Storage	Shipped on Dry Ice. Store at -80°C. pH: 8.00 Constituents: 0.0462% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 0.395% Tris HCl, 0.05% Tween, 20% Glycerol (glycerin, glycerine), 0.58% Sodium chloride
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This product is an active protein and may elicit a biological response in vivo, handle with caution.

General Info

Function	Interacts with LAR-interacting protein LIP.1.
Tissue specificity	Detected in all tissues tested except for placenta and liver.
Sequence similarities	Belongs to the protein-tyrosine phosphatase family. Receptor class 2A subfamily. Contains 8 fibronectin type-III domains. Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 tyrosine-protein phosphatase domains.
Post-translational modifications	A cleavage occurs, separating the extracellular domain from the transmembrane segment. This process called 'ectodomain shedding' is thought to be involved in receptor desensitization, signal transduction and/or membrane localization.
Cellular localization	Membrane.

Images



10% SDS-PAGE analysis of 7µg ab90018.

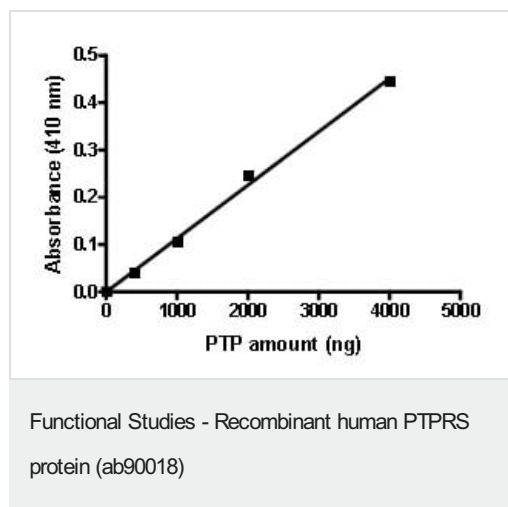


Image showing specific activity of ab90018.

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

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- Response to your inquiry within 24 hours

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