
Product Data Sheet

Product Name: PTPRN Human
Cat. No.: GP26176
Batch No.: 1

Product Data

Purity	>98%	Source	Sf9 insect cells.
Physical Appearance	solid	Shipping Condition	withIcePacks
Synonyms	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.		
Formulation	PTPRN is supplied in 50mM Sodium phosphate (pH 8.0) and 20% Glycerol.		

Introduction

Protein Tyrosine Phosphatase Receptor Type N (PTPRN) is a catalytically inactive protein and a major target of autoimmune response in diabetes mellitus. The long C-terminal intracellular tail covers the majority of autoantibody epitopes. PTPRN is expressed in neural, neuroendocrine and pancreatic islet cells.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles.

Background

Recombinant Human Protein Tyrosine Phosphatase Receptor Type N produced in SF9 is a glycosylated, polypeptide chain having a calculated molecular mass of 46kDa. PTPRN is expressed with a 6xHis tag and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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