

Product datasheet

Recombinant Human PTPMT1 protein ab116204

1 Image

Description

Product name	Recombinant Human PTPMT1 protein
Purity	> 95 % SDS-PAGE. ab116204 was purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	<u>Q8WUK0</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MGSSHHHHHSSGLVPRGSHMGSHMKVPGRAHRDWYH RIDPTVLLGALPL RSLTRQLVQDENVRGVITMNEEYETRFLCNSSQEWKRLG VEQLRLSTVDM TGIPLDNLQKGVQFALKYQSLGQCYYVHCKAGRSRSAT MVAAYLIQVHK WSPEEAVRAIAKIRSYHIRPGQLDVLKEFHKQITARATKDG TFVISKT
Predicted molecular weight	23 kDa including tags
Amino acids	28 to 201
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab116204** in the following tested applications.

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

Applications	Mass Spectrometry SDS-PAGE
Mass spectrometry	MALDI-TOF
Form	Liquid

Preparation and Storage

Stability and Storage

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.02% DTT, 0.32% Tris HCl, 10% Glycerol (glycerin, glycerine), 0.88% Sodium chloride

General Info

Function

Protein phosphatase that specifically mediates dephosphorylation of mitochondrial proteins, thereby playing an essential role in ATP production. Has probably a preference for proteins phosphorylated on Ser and/or Thr residues compared to proteins phosphorylated on Tyr residues. Probably involved in regulation of insulin secretion in pancreatic beta cells.

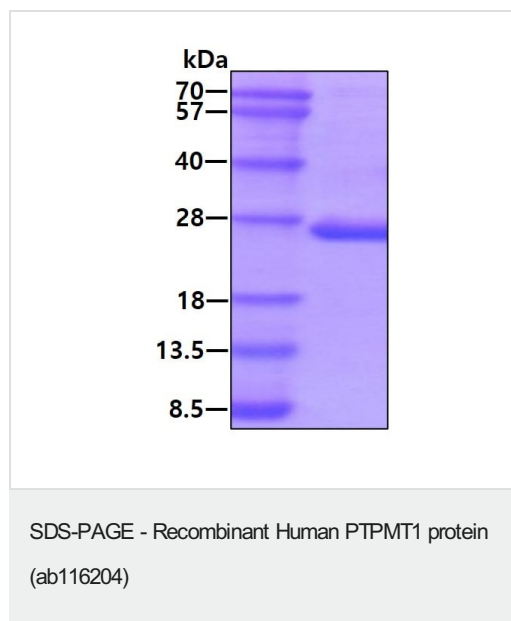
Sequence similarities

Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. Contains 1 tyrosine-protein phosphatase domain.

Cellular localization

Mitochondrion inner membrane. Associated with the inner membrane.

Images



15% SDS-PAGE analysis of 3 µg ab116204.

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

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