abcam

Product datasheet

Recombinant Human POMT2 protein ab162287

1 Image

Overview

Product name	Recombinant Human POMT2 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Wheat germ
Amino Acid Sequence	
Species	Human
Sequence	CVLGSSGKVLPKWGWEQLEVTCTPYLKETLNSIWNVE DHINPKLPNISLD VLQPSFPEILLESHMVMIRGNSGLKPKDNEFTSKPWH WPINYQGLRFS
Amino acids	483 to 580
Tags	GST tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab162287** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	Protein concentration is above or equal to 0.05 mg/ml.

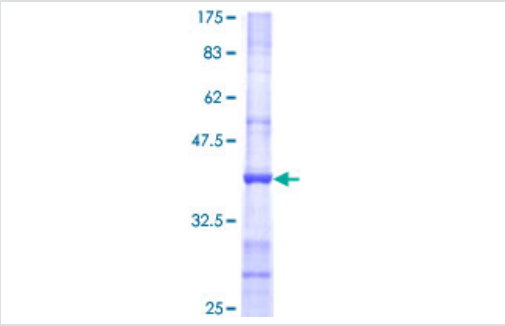
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Transfers mannosyl residues to the hydroxyl group of serine or threonine residues. Coexpression of both POMT1 and POMT2 is necessary for enzyme activity, expression of either POMT1 or POMT2 alone is insufficient.
Tissue specificity	Highly expressed in testis; detected at low levels in most tissues.
Pathway	Protein modification; protein glycosylation.
Involvement in disease	Muscular dystrophy-dystroglycanopathy congenital with brain and eye anomalies A2 (MDDGA2) [MIM:613150]: An autosomal recessive disorder characterized by congenital muscular dystrophy associated with cobblestone lissencephaly and other brain anomalies, eye malformations, profound mental retardation, and death usually in the first years of life. Included diseases are the more severe Walker-Warburg syndrome and the slightly less severe muscle-eye-brain disease. Note=The disease is caused by mutations affecting the gene represented in this entry. Muscular dystrophy-dystroglycanopathy congenital with mental retardation B2 (MDDGB2) [MIM:613156]: An autosomal recessive disorder characterized by congenital muscular dystrophy associated with mental retardation and mild structural brain abnormalities. Note=The disease is caused by mutations affecting the gene represented in this entry. Muscular dystrophy-dystroglycanopathy limb-girdle C2 (MDDGC2) [MIM:613158]: An autosomal recessive muscular dystrophy with onset after ambulation is achieved. MDDGC2 is characterized by increased serum creatine kinase and mild muscle weakness. Muscle biopsy shows dystrophic changes, inflammatory changes, and severely decreased alpha-dystroglycan. Cognition is normal. Note=The disease is caused by mutations affecting the gene represented in this entry.
Sequence similarities	Belongs to the glycosyltransferase 39 family. Contains 3 MIR domains.
Post-translational modifications	N-glycosylated.
Cellular localization	Endoplasmic reticulum membrane.

Images



SDS-PAGE - Recombinant Human POMT2 protein (ab162287)

ab162287 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit https://www.abcam.com/abpromise or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors