

Product datasheet

Recombinant Human Blood Group Antigen Precursor protein ab113153

画像数 1

製品の概要

製品名	Recombinant Human Blood Group Antigen Precursor protein
タンパク質長	Full length protein

製品の詳細

由来	Recombinant
由来	Escherichia coli
アミノ酸配列	
アクセッション番号	P16442
生物種	Human
分子量	37 kDa
領域	54 to 354
タグ	His tag N-Terminus

特性

Our [Abpromise guarantee](#) covers the use of **ab113153** in the following tested applications.

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

アプリケーション	SDS-PAGE Mass Spectrometry
質量分析	MALDI-TOF
精製度	> 85 % SDS-PAGE. ab113153 was purified using conventional chromatography techniques.
製品の状態	Liquid
備考	

前処理および保存

保存方法および安定性

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: 0.32% Tris HCl, 0.04% DTT, 20% Glycerol, 1.17% Sodium chloride

関連情報

機能

This protein is the basis of the ABO blood group system. The histo-blood group ABO involves three carbohydrate antigens: A, B, and H. A, B, and AB individuals express a glycosyltransferase activity that converts the H antigen to the A antigen (by addition of UDP-GalNAc) or to the B antigen (by addition of UDP-Gal), whereas O individuals lack such activity.

パスウェイ

Protein modification; protein glycosylation.

配列類似性

Belongs to the glycosyltransferase 6 family.

ドメイン

The conserved DXD motif is involved in cofactor binding. The manganese ion interacts with the beta-phosphate group of UDP and may also have a role in catalysis.

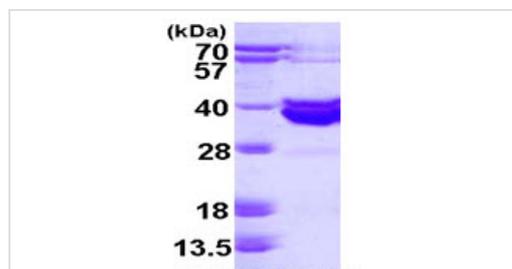
翻訳後修飾

The soluble form derives from the membrane form by proteolytic processing.

細胞内局在

Golgi apparatus > Golgi stack membrane. Secreted. Membrane-bound form in trans cisternae of Golgi. Secreted into the body fluid.

画像



15% SDS-PAGE showing ab113153 (3 µg) at approximately 37.4 kDa

SDS-PAGE - Blood Group Antigen Precursor protein
(ab113153)

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