

## Product datasheet

# Recombinant Human Blood Group Antigen Precursor protein ab113153

### 画像数 1

#### 製品の概要

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

#### 製品の詳細

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由来	Recombinant
由来	Escherichia coli

#### アミノ酸配列

アクセッション番号	<a href="#">P16442</a>
生物種	Human
分子量	37 kDa
領域	54 to 354
タグ	His tag N-Terminus

#### 特性

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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

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## 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.

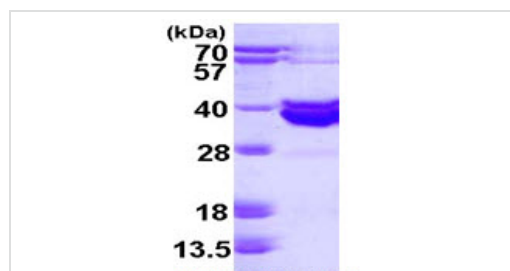
### 翻訳後修飾

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)

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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