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Datasheet for ABIN7274007

## BTN1A1 Protein (AA 27-242) (His-Avi Tag)

### 2 Images

#### Overview

Quantity:	100 µg
Target:	BTN1A1
Protein Characteristics:	AA 27-242
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN1A1 protein is labelled with His-Avi Tag.

#### Product Details

Purpose:	Human BTN1A1/Butyrophilin Protein
Sequence:	Ala27-Arg242
Characteristics:	Recombinant Human BTN1A1/Butyrophilin Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus.It contains Ala27-Arg242.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

#### Target Details

Target:	BTN1A1
Alternative Name:	BTN1A1 ( <a href="#">BTN1A1 Products</a> )

## Target Details

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Background:	Butyrophilin 1A1 (BTN1A1) is one of the membrane proteins that surrounds LD, BTN1A1 plays an important role in regulating LD synthesis via a mechanism involving membrane phospholipid composition.
Molecular Weight:	26.9 kDa. Due to glycosylation, the protein migrates to 30-40 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q13410</a>
Pathways:	<a href="#">Activated T Cell Proliferation</a>

## Application Details

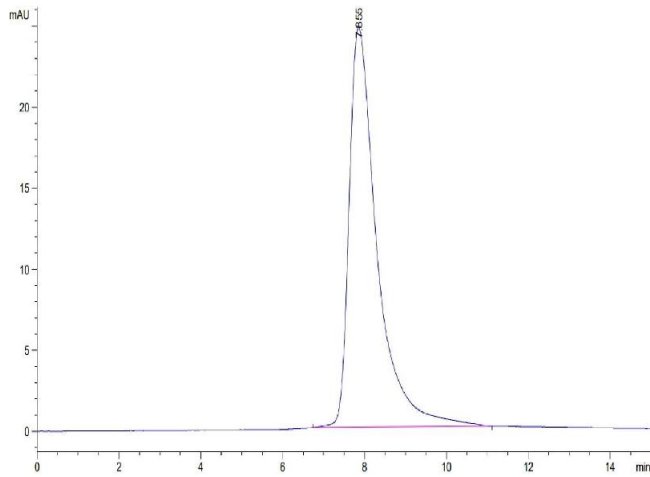
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Restrictions:	For Research Use only
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## Handling

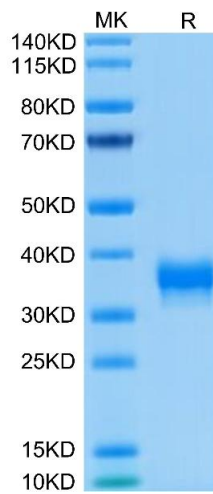
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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C, -80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 1.** The purity of Human BTN1A1 is greater than 95 % as determined by SEC-HPLC.



### SDS-PAGE

**Image 2.** Human BTN1A1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .