

# Biotinylated Recombinant Human BTN1A1/Butyrophilin Protein

Catalog No.: RP02557 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human		Q13410

### Tags

C-His&Avi

### Synonyms

BT; BTN1A1; BTN; Butyrophilin

## Product Information

### Source

HEK293 cells

### Purification

> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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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.

## Basic Information

### Description

Recombinant Biotinylated Human BTN1A1/Butyrophilin Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Ala27-Arg242.

### Bio-Activity

### Storage

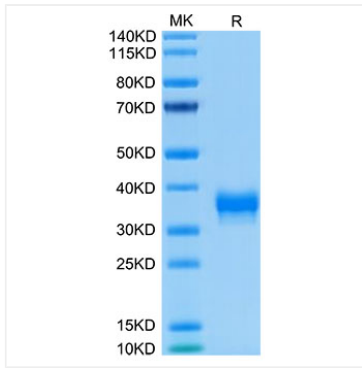
Store the lyophilized protein at -20°C to -80°C for long term.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

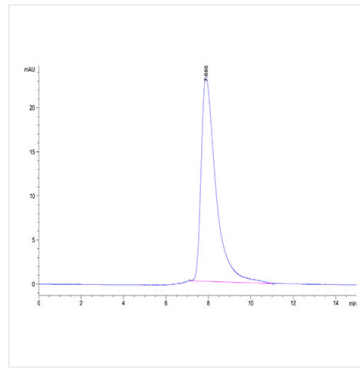
Avoid repeated freeze/thaw cycles.

## Validation Data

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



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