

Biotinylated Recombinant Human BTN1A1 /Butyrophilin Protein

Catalog No.: RP02557B

Sequence Information

Species	Gene ID
Human	696
Swiss Prot	Tags
Q13410	C-His&Avi

Synonyms

BT; BTN1A1; BTN; Butyrophilin

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW	Observed MW
26.9 kDa	30-40 kDa

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

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.

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

Biotinylated Recombinant Human BTN1A1/Butyrophilin Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala27-Arg242) of Human BTN1A1/Butyrophilin fused with a His and Avi tag at the C-terminal.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

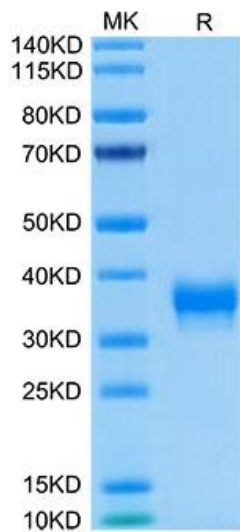
Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

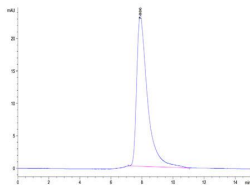
Contact

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Validation Data



Biotinylated Recombinant Human BTN1A1/Butyrophilin Protein was determined by Tris-Bis PAGE under reducing conditions.



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