

Biotinylated Recombinant Human BTN1A1/Butyrophilin Protein

Catalog No.: RP02557B **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	696	Q13410

Tags

C-His&Avi

Synonyms

BT; BTN1A1; BTN; Butyrophilin

Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

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 freeze-thaw cycles.

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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

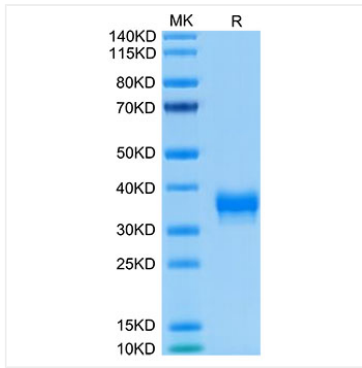
Biotinylated Recombinant Human BTN1A1/Butyrophilin Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Ala27-Arg242) of Human BTN1A1/Butyrophilin fused with a His and Avi tag at the C-terminal.

Bio-Activity

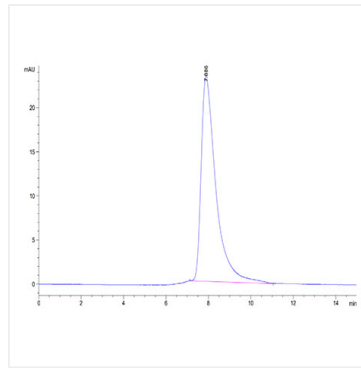
Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. 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



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.