

Recombinant Human BTN1A1/Butyrophilin Protein

Catalog No.: RP00249

Sequence Information

Species **Gene ID**
Human 696

Swiss Prot **Tags**
Q13410 C-His

Synonyms

BTN1A1,BT,BTN,BTN1

Product Information

Source **Purification**
HEK293 cells ≥ 95 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
24.79 kDa 35–40 kDa

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

Reconstitution

Centrifuge the vial 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

Basic Information

Description

Recombinant Human BTN1A1/Butyrophilin Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala 27 – Arg 242) of human BTN1A1/Butyrophilin (Accession #NP_001723.2) fused with a 6×His tag at the C-terminus.

Activity

Measured by its ability to inhibit Anti-CD3-induced proliferation of Jurkat cells. The ED₅₀ for this effect is 3.35–13.4 ng/mL.

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.

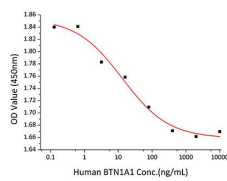
Contact

☎ | 400-999-6126

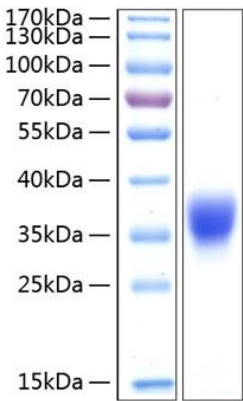
✉ | cn.market@abclonal.com.cn

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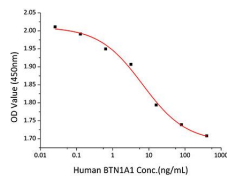
Validation Data



Recombinant Human BTN1A1 inhibits Anti-CD3-induced proliferation of jurkat cells. The ED₅₀ for this effect is 6.6-26.4ng/mL.



Recombinant Human BTN1A1/Butyrophilin Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



Recombinant Human BTN1A1 inhibits Anti-CD3-induced proliferation of jurkat cells. The ED₅₀ for this effect is 3.35-13.4ng/mL.