

RP00249

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# Recombinant Human BTN1A1/Butyrophilin Protein

Catalog No.: RP00249

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	696	Q13410

### Tags

C-His

### Synonyms

BTN1A1;BT;BTN;BTN1

## Product Information

Source	Purification
HEK293 cells	> 97% by SDS-PAGE.

### 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 freeze-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.

### Bio-Activity

Measured by its ability to inhibit Anti-CD3-induced proliferation of jurkat cells. The ED<sub>50</sub> for this effect is 3.35-13.4 ng/mL.

### Storage

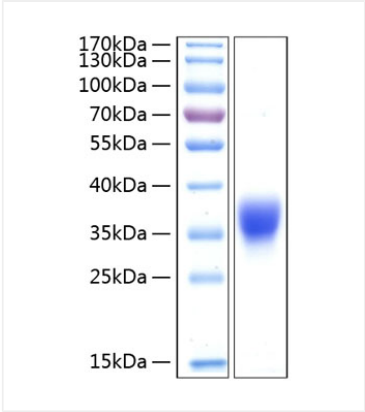
Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Contact

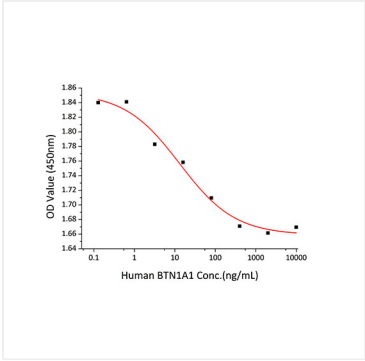


[www.abclonal.com](http://www.abclonal.com)

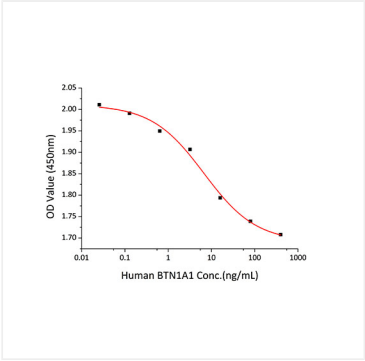
Validation Data



Active Recombinant Human BTN1A1/Butyrophilin Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 33-38 kDa.



Recombinant Human BTN1A1 inhibits Anti-CD3-induced proliferation of jurkat cells. The ED<sub>50</sub> for this effect is 6.6-26.4ng/mL.



Recombinant Human BTN1A1 inhibits Anti-CD3-induced proliferation of jurkat cells. The ED<sub>50</sub> for this effect is 3.35-13.4ng/mL.