

RP01067

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# Recombinant Human BTN3A1/CD277 Protein

Catalog No.: RP01067

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	11119	O00481-2

### Tags

C-hFc&His

### Synonyms

BTN3A1;BT3.1;BTF5;BTN3.1;CD277

## 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.

## Contact



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

## Background

## Basic Information

### Description

Recombinant human BTN3A1/CD277 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln30-Gly254) of human BTN3A1/CD277 (Accession #NP\_919423.1) fused with an Fc, 6×His tag at the C-terminus.

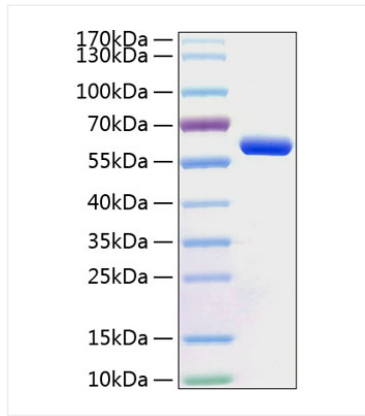
### Bio-Activity

Measured by its ability to inhibit Anti-CD3-induced proliferation of Jurkat. The ED<sub>50</sub> for this effect is 24-96 ng/mL.

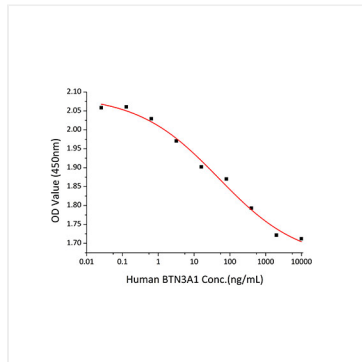
### Storage

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.

## Validation Data



Active Recombinant Human BTN3A1/CD277 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 60kDa.



Human BTN3A1 inhibits Anti-CD3-induced proliferation of jurkat. The  $ED_{50}$  for this effect is 24-96ng/mL.