

Recombinant Human BTN3A1/CD277 Protein

Catalog No.: RP01067 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 11119 000481-2

Tags

C-hFc&His

Synonyms

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

Product Information

Source Purification

HEK293 cells ≥ 95 % as determined by SDS-

PAGE.

Calculated MW Observed MW

50.94 kDa 60 kDa

Endotoxin

< 0.1 EU/ μ g 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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, $6\times$ His tag at the Cterminus.

Bio-Activity

Measured by its ability to inhibit Anti-CD3-induced proliferation of jurkat. The ED_{50} for this effect is 24-96 ng/mL.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

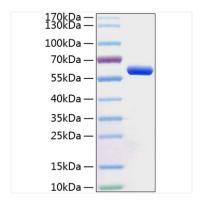
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

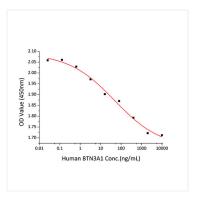
Operational Notes

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

Validation Data



Recombinant Human BTN3A1/CD277 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.



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