RP01067

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Recombinant Human BTN3A1/CD277 Protein

Catalog No.: RP01067 Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	11119	O00481-2

Tags
C-hFc&His

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

Product Information

Source
HEK293 cells

Purification
> 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 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

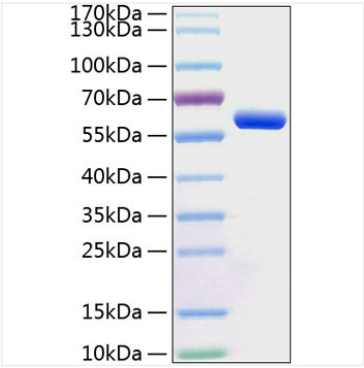
Basic Information

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×His tag at the C-terminus.

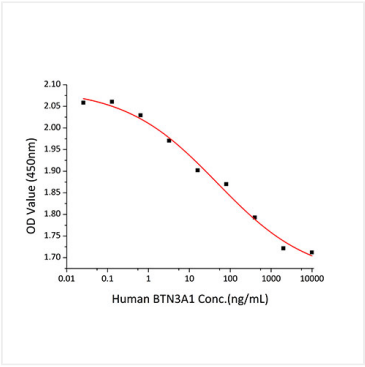
Bio-Activity
Measured by its ability to inhibit Anti-CD3-induced proliferation of jurkat. The ED₅₀ for this effect is 24-96 ng/mL.

Storage
Store at -20℃.Store the lyophilized protein at -20℃ to -80 ℃ up to 1 year from the date of receipt.
After reconstitution, the protein solution is stable at -20℃ for 3 months, at 2-8℃ 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.