

Datasheet for ABIN7274004

BTN3A1 Protein (AA 30-254) (His tag)

4 Images

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Overview

Quantity:	100 µg
Target:	BTN3A1
Protein Characteristics:	AA 30-254
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN3A1 protein is labelled with His tag.

Product Details

Purpose:	Human BTN3A1/CD277 Protein
Sequence:	Gln30-Gly254
Characteristics:	Recombinant Human BTN3A1/CD277 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln30-Gly254.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human BTN3A1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-BTN3A1 Antibody, hFc Tag with the EC50 of 4.8ng/ml determined by ELISA. See testing image for detail.

Target Details

Target:	BTN3A1
Alternative Name:	BTN3A1 (BTN3A1 Products)
Background:	The three butyrophilin BTN3A molecules, BTN3A1, BTN3A2, and BTN3A3, are members of the B7/butyrophilin-like group of Ig superfamily receptors, which modulate the function of T cells. BTN3A1 controls activation of human V γ 9/V δ 2 T cells by direct or indirect presentation of self and nonself phosphoantigens (pAg).
Molecular Weight:	25.3 kDa. Due to glycosylation, the protein migrates to 28-35 kDa based on Tris-Bis PAGE result.
Pathways:	Activated T Cell Proliferation

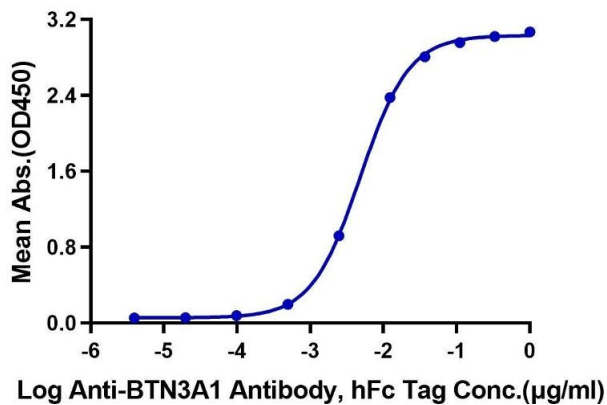
Application Details

Restrictions:	For Research Use only
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Handling

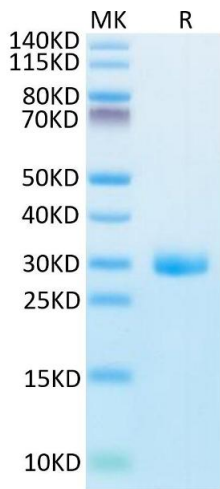
Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months

Human BTN3A1, His Tag ELISA
0.05µg Human BTN3A1, His Tag Per Well



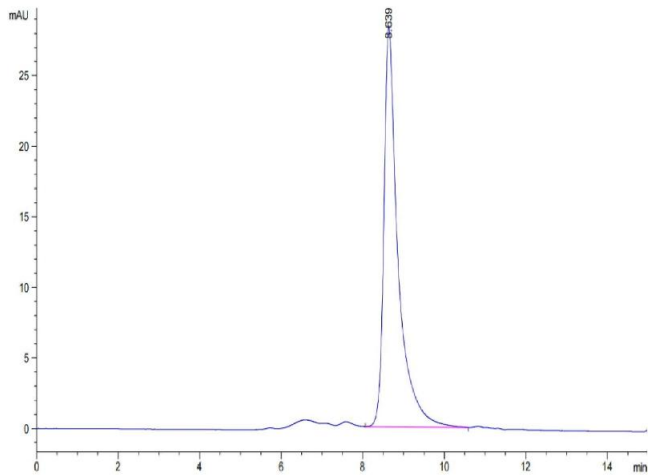
ELISA

Image 1. Immobilized Human BTN3A1, His Tag at 0.5 µg/mL (100 µL/Well) on the plate. Dose response curve for Anti-BTN3A1 Antibody, hFc Tag with the EC₅₀ of 4.8 ng/mL determined by ELISA.



SDS-PAGE

Image 2. Human BTN3A1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 3. The purity of Human BTN3A1 is greater than 95 % as determined by SEC-HPLC.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7274004.