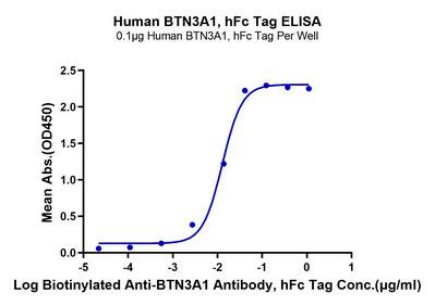
Bioactive CellTx™ HuPro®

BTN3A1 (Human) Recombinant Protein

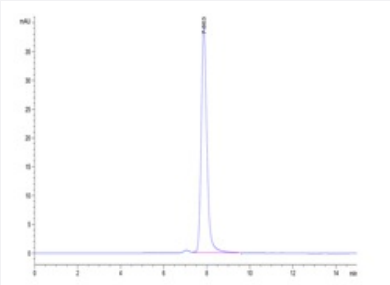
Catalog # P9779 Size 100 ug

Applications



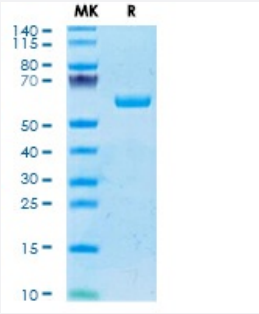
Enzyme-linked Immunoabsorbent Assay

Immobilized Human BTN3A1, hFc Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-BTN3A1 Antibody, hFc Tag with the EC50 of 13.8 ng/mL determined by ELISA.



SEC-HPLC

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



Tris-Bis PAGE

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

Specification

Product Description	Human BTN3A1 (O00481-1, Gln30-Gly254) partial recombinant protein with hFc tag at C-Terminus expressed in HEK293 cells.

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Sequence	Gln30-Gly254
Host	Human
Theoretical MW (kDa)	50.9
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Quality Control Testing	SEC-HPLC and Tris-Bis PAGE SEC-HPLC The purity of Human BTN3A1 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human BTN3A1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.
Recommend Usage	Biological Activity ELISA SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from sterile distilled Water is > 100 ug/mL
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Result of bioactivity analysis

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human BTN3A1, hFc Tag at 1 ug/mL (100 uL/well) on the plate. Dose response curve for Biotinylated Anti-BTN3A1 Antibody, hFc Tag with the EC50 of 13.8 ng/mL determined by ELISA.
- SDS-PAGE

Gene Info — BTN3A1

Entrez GeneID	11119
Protein Accession#	O00481-1
Gene Name	BTN3A1

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Gene Alias	BT3.1, BTF5, CD277, MGC141880
Gene Description	butyrophilin, subfamily 3, member A1
Gene Ontology	Hyperlink
Gene Summary	subfamily 3
Other Designations	OTTHUMP00000039404|dJ45P21.3 (butyrophilin, subfamily 3, member A1)

Disease

- Genetic Predisposition to Disease
- Schizophrenia

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