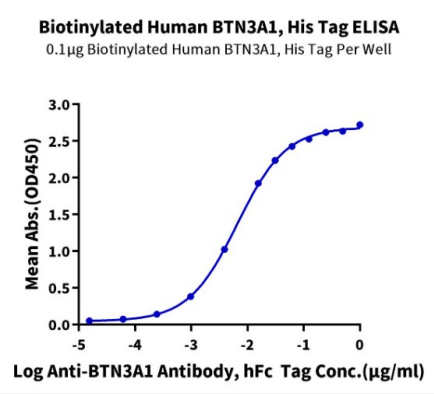
Bioactive CellTx™ HuPro®

BTN3A1 (Human) Recombinant Protein (Biotin)

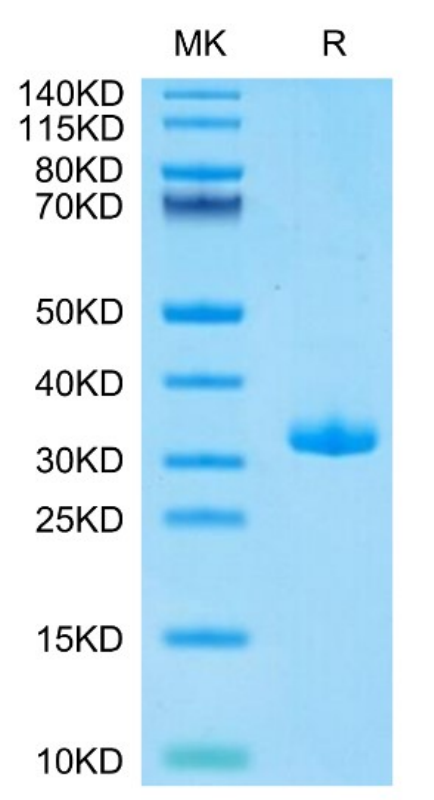
Catalog # P10364 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

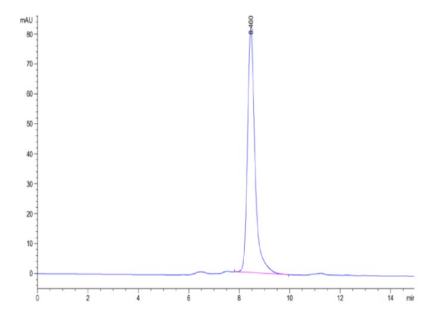
Immobilized Biotinylated Human BTN3A1, His Tag at 1 ug/mL (100 uL/well) on the streptavidin precoated plate (5ug/mL). Dose response curve for Anti-BTN3A1 Antibody, hFc Tag with the EC_{50} of 6.6 ng/mL determined by ELISA.



Tris-Bis PAGE

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

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SEC-HPLC

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

Specification

Product Description	Human BTN3A1 (O00481-1, Gln30-Gly254) partial recombinant protein with His-Avi tag at the C-Ter minus expressed in HEK293 cells.
Sequence	Gln30-Gly254
Host	Human
Theoretical MW (kDa)	27.1
Reactivity	Human
Form	Lyophilized
Conjugation	Biotin
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% by Tris-Bis PAGE > 95% by HPLC
Endotoxin Level	< 0.1 EU per 1 ug as determined by the LAL method.
Activity	The EC_{50} was 6.6 ng/mL, measured by ELISA at 1 ug/mL.
Recommend Usage	Biological Activity ELISA Tris-Bis PAGE SEC-HPLC The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from 0.22 um filtered solution in PBS, pH 7.4. (8% trehalose).
Storage Instruction	Store at -20°C for 24 months. After reconstitution, store at 4°C for 2-7 days, or store at -80°C for 3-6 months. Aliquot to avoid repeated freezing and thawing.
Note	Please use within one month after protein reconstitution.

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Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Biotinylated Human BTN3A1, His Tag at 1 ug/mL (100 uL/well) on the streptavidin precoated plate (5ug/mL). Dose response curve for Anti-BTN3A1 Antibody, hFc Tag with the EC_{50} of 6.6 ng/mL determined by ELISA.

Gene Info — BTN3A1

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