

# Human BTN3A3 Protein; His Tag

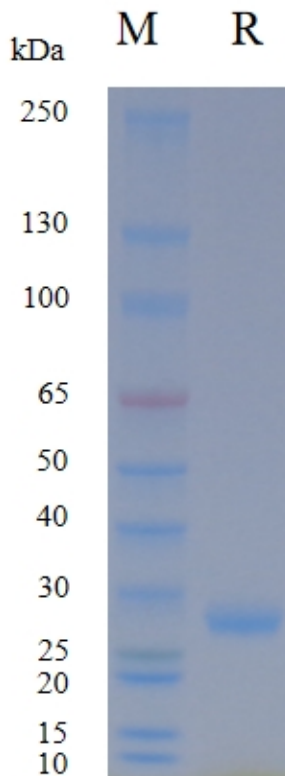
## Product Information

<b>Product Name</b>	Human BTN3A3 Protein; His Tag
<b>Storage temp</b>	Store at $\leq -70^{\circ}\text{C}$ , stable for 6 months after receipt. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
<b>Catalog# / Size</b>	<b>GM-88578RP-100 / 100 <math>\mu\text{g}</math></b> <b>GM-88578RP-1000 / 1 mg</b>

## Protein Information

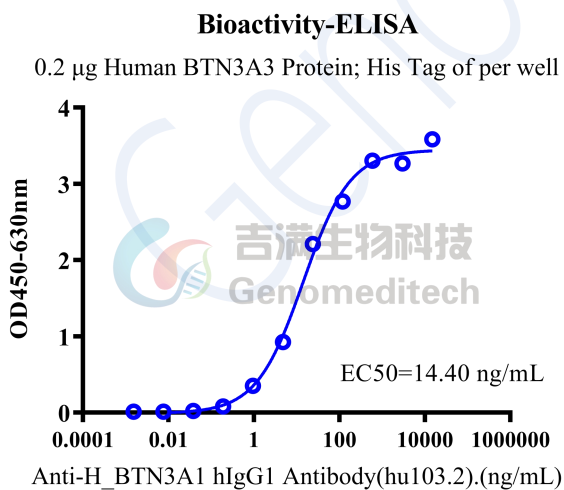
<b>Alternative Names</b>	BTN3A3,BTF3
<b>Source</b>	Human BTN3A3 Protein; His Tag (GM-88578RP) is expressed from human 293 cells (HEK-293). It contains AA Gln 30 - Trp 248 (Accession # AAH15815). This protein carries a his tag at the C-terminus.
<b>Purity</b>	> 95% as determined by SDS-PAGE
<b>Endotoxin</b>	< 1 EU/ $\mu\text{g}$ , determined by LAL gel clotting assay
<b>Predicted Mol Mass</b>	24.4 KDa
<b>Formulation</b>	Supplied as a 0.2 $\mu\text{m}$ filtered solution of PBS, pH7.2-7.4.
<b>Description</b>	BTN3A3 (butyrophilin subfamily 3 member A3) is a type I transmembrane glycoprotein of the immunoglobulin superfamily that is implicated in the regulation of T cell and NK cell responses. The BTN3 family members are expressed on the cell surface and modulate immune activation and proliferation, making BTN3A3 a useful target for studying immune checkpoint - like pathways and tumor-immune interactions. Recombinant BTN3A3 protein can be used for antibody screening, ligand-receptor interaction assays, and functional studies in immuno-oncology and inflammation.

## SDS-PAGE

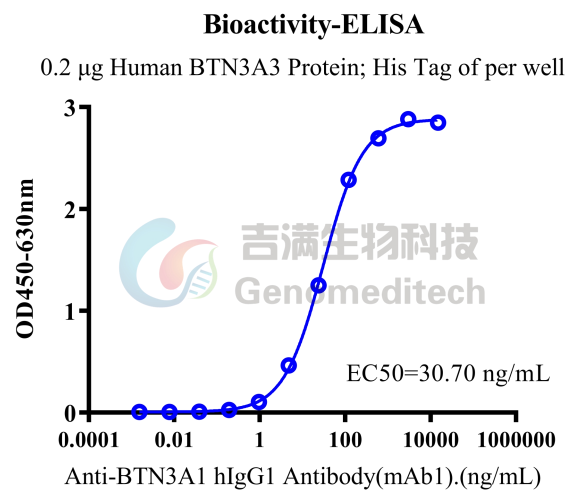


On SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

## Bioactivity-ELISA



Human BTN3A3 Protein; His Tag (Catalog # GM-88578RP) was immobilized at 2  $\mu\text{g}/\text{ml}$  (100  $\mu\text{L}/\text{well}$ ). Increasing concentrations of Anti-H\_BTN3A1 hIgG1 Antibody (hu103.2) (Catalog # GM-52829AB) were added.



Human BTN3A3 Protein; His Tag (Catalog # GM-88578RP) was immobilized at 2  $\mu\text{g}/\text{ml}$  (100  $\mu\text{L}/\text{well}$ ). Increasing concentrations of Anti-BTN3A1 hIgG1 Antibody (mAb1) (Catalog # GM-52838AB) were added.

Version:4.0