

## Recombinant Human BTN3A3 protein, His-tagged

Cat. No. BTN3A3-140H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human BTN3A3 (Gln30-Trp248) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	Gln30-Trp248
<b>Description</b>	<p>Butyrophilin subfamily 3 member A3 (BTN3A3), a member of the immunoglobulin superfamily and BTN/MOG family, is also known as BTF3, which contains one B30.2/SPRY domain and two Ig-like V-type (immunoglobulin-like) domains. BTN3A3 is detected in peripheral blood mononuclear cells, T-cells, spleen and lymphocytes. BTN3A3 also plays a role in T-cell responses in the adaptive immune response. Stimulation of human butyrophilin 3 (BTN3) molecules results in negative regulation of cellular immunity.</p>
<b>Predicted N Terminal</b>	Gln30
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4, 10% trehalose.
<b>Molecular Mass</b>	The protein has a calculated MW of 25.5 kDa. The protein migrates as 28 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.

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<b>Purity</b>	>95% as determined by SDS-PAGE.
<b>Storage</b>	<p>For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.</p> <p>Please avoid repeated freeze-thaw cycles.</p> <p>This product is stable after storage at:</p> <p>-20 to -70 centigrade for 12 months in lyophilized state;</p> <p>-70 centigrade for 3 months under sterile conditions after reconstitution.</p>
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

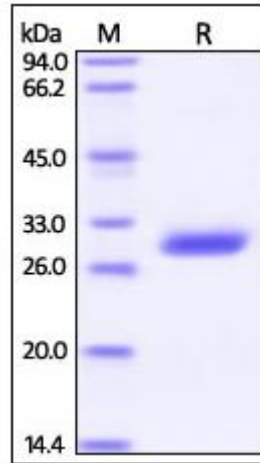
<b>Gene Name</b>	<a href="#">BTN3A3</a>
<b>Official Symbol</b>	<a href="#">BTN3A3</a>
<b>Synonyms</b>	BTN3A3; butyrophilin, subfamily 3, member A3; butyrophilin subfamily 3 member A3; BTF3; butyrophilin 3
<b>Gene ID</b>	<a href="#">10384</a>
<b>mRNA Refseq</b>	<a href="#">NM_001242803</a>
<b>Protein Refseq</b>	<a href="#">NP_001229732</a>
<b>MIM</b>	<a href="#">613595</a>
<b>UniProt ID</b>	<a href="#">O00478</a>

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**SDS-PAGE of  
BTN3A3-140H**



Human BTN3A3, His Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

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