

**Synonym**

BTN3A3,BTF3

**Source**

Human BTN3A3, His Tag(BT3-H52H0) is expressed from human 293 cells (HEK293). It contains AA Gln 30 - Trp 248 (Accession # [AAH15815](#)).

Predicted N-terminus: Gln 30

**Molecular Characterization**

BTN3A3(Gln 30 - Trp 248)  
AAH15815 Poly-his

This protein carries a polyhistidine tag at the C-terminus

The protein has a calculated MW of 25.5 kDa. The protein migrates as 29-32 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.

**Endotoxin**

Less than 1.0 EU per µg by the LAL method.

**Purity**

>95% as determined by SDS-PAGE.

**Formulation**

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

**Reconstitution**

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

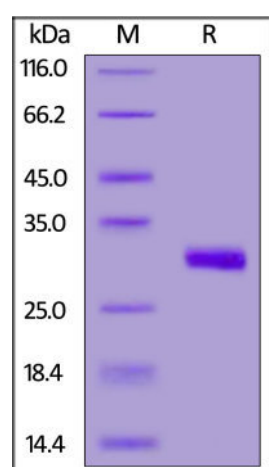
**Storage**

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

**SDS-PAGE**

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%.

**Background**

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.

**Clinical and Translational Updates**

Please contact us via [TechSupport@acrobiosystems.com](mailto:TechSupport@acrobiosystems.com) if you have any question on this product.