Human BTN3A3 / BTF3 Protein, His Tag

Catalog # BT3-H52H0

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

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 / rFC 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

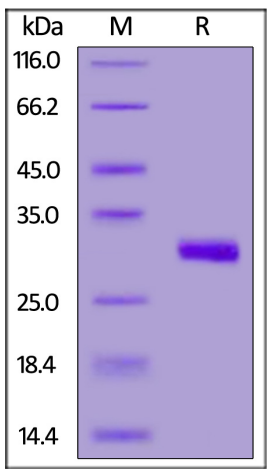
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

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 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.