

Human BTN3A3/BTF3 Protein

Cat. No. BNT-HM1A3

Description

Source	Recombinant Human BTN3A3/BTF3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln30-Trp248.
Accession	O00478-1
Molecular Weight	The protein has a predicted MW of 24.7 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Formulation and Storage

Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -20 to -80°C for 3-6 months in unopened state after reconstitution. 2-8°C for 2-7 days after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The butyrophilin (BTN) family has many members with diverse functions related to immunomodulation, initiation and progression of tumors. BTN3A3 belongs to the BTN family, and exploring its expression and correlation with the prognosis of non-small cell lung cancer (NSCLC) patients has great clinical significance. The expression of BTN3A3 in NSCLC tissues was significantly lower than in adjacent tissues, and patients with low expression of BTN3A3 had late clinical stages and lower degree of tumor differentiation.

Assay Data

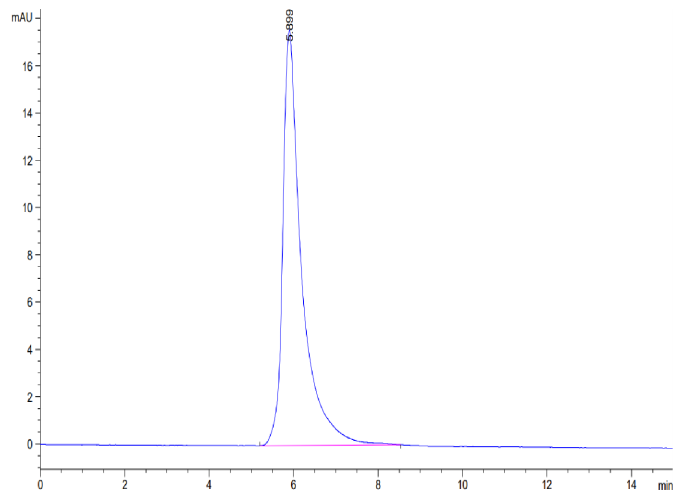
Tris-Bis PAGE



Human BTN3A3/BTF3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Human BTN3A3/BTF3 is greater than 95% as determined by SEC-HPLC.