

Mouse BTN2A2 Protein

Cat. No. BNT-MM1A2

Description

Source	Recombinant Mouse BTN2A2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln30-Ser244.
Accession	A4QPC6-1
Molecular Weight	The protein has a predicted MW of 25.78 kDa. Due to glycosylation, the protein migrates to 40-50 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

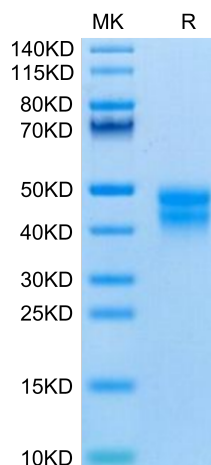
Formulation	Lyophilized from 0.22 μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized 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

Butyrophilin (BTN) genes encode a set of related proteins. Cell surface BTN2A2 protein, such as the B7 family molecule programmed death ligand 1, was upregulated upon activation of T cells. BTN2A2 is a co-inhibitory molecule that modulates T cell-mediated immunity.

Assay Data

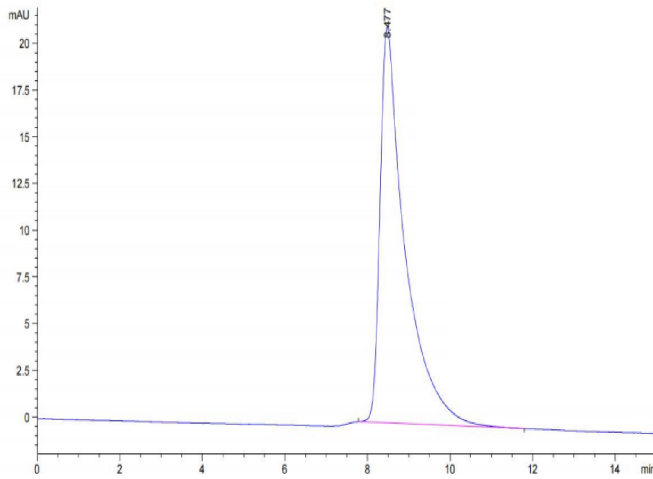
Tris-Bis PAGE



Mouse BTN2A2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

Assay Data



The purity of Mouse BTN2A2 is greater than 95% as determined by SEC-HPLC.