

## 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 Bis-Tris PAGE result.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 95% as determined by HPLC

### Formulation and Storage

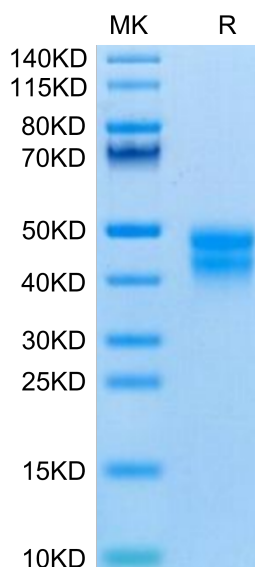
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months 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

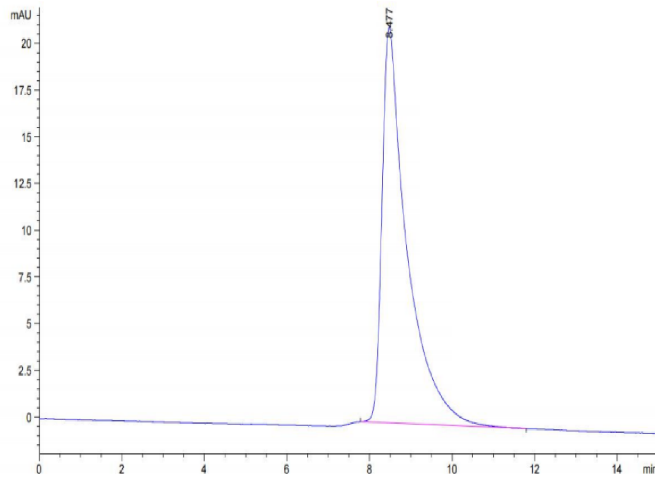
#### Bis-Tris PAGE



Mouse BTN2A2 on Bis-Tris 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.