

Datasheet for ABIN7273982

**BTN2A2 Protein (AA 30-244) (His tag)****2** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	BTN2A2
Protein Characteristics:	AA 30-244
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN2A2 protein is labelled with His tag.

## Product Details

Purpose:	Mouse BTN2A2 Protein
Sequence:	Gln30-Ser244
Characteristics:	Recombinant Mouse BTN2A2 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln30-Ser244.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

Target:	BTN2A2
Alternative Name:	BTN2A2 ( <a href="#">BTN2A2 Products</a> )

## Target Details

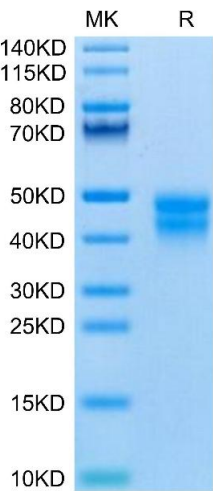
Background:	Butyrophilin (BTN) genes encode a set of related proteins. Cell surface BTN2A2 protein, such as the B7 family molecule programmed death ligand 1, was upregulated upon activation of T cells. BTN2A2 is a co-inhibitory molecule that modulates T cell-mediated immunity.
Molecular Weight:	25.78 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
Pathways:	<a href="#">Activated T Cell Proliferation</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

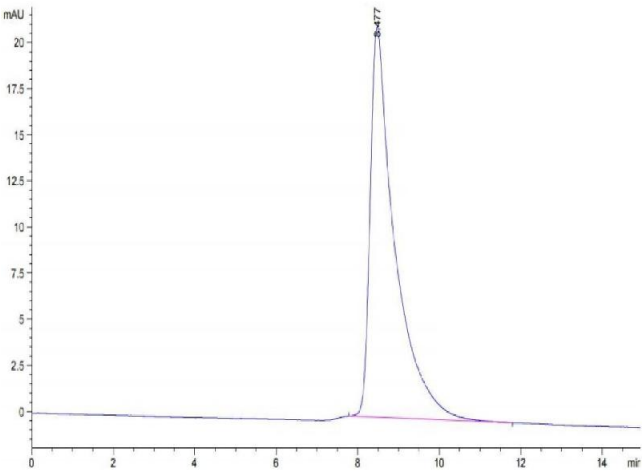
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months 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.
Expiry Date:	12 months



SDS-PAGE

**Image 1.** Mouse BTN2A2 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Mouse BTN2A2 is greater than 95 % as determined by SEC-HPLC.