

Datasheet for ABIN7491231

BTN3A1 Protein (AA 1-218) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	BTN3A1
Protein Characteristics:	AA 1-218
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN3A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Cynomolgus BTN3A1 protein with C-terminal 6xHis tag
Specificity:	BTN3A1 (Gln1-Ser218) 6xHis tag
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 85 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	BTN3A1
Alternative Name:	BTN3A1 (BTN3A1 Products)
Background:	Butyrophilin subfamily 3 member A1 (BTN3A1) is also known as CD277 and BTF5, which

Target Details

belongs to the immunoglobulin superfamily and contains one B30.2/SPRY domain and two Ig-like V-type (immunoglobulin-like) domains. BTN3A1 plays a role in T-cell activation and in the adaptive immune response. Also, BTN3A1 regulates the proliferation of activated T-cells and the release of cytokines and IFNG by activated T-cells. Furthermore, BTN3A1 mediates the response of T-cells toward infected and transformed cells that are characterized by high levels of phosphorylated metabolites, such as isopentenyl pyrophosphate.

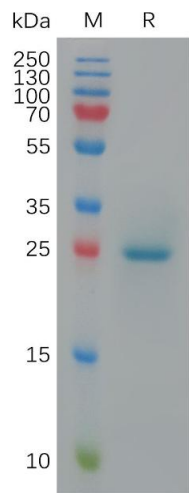
Molecular Weight:	predicted molecular mass of 24.3 kDa after removal of the signal peptide. The apparent molecular mass of cBTN3A1-His is 25-35 kDa due to glycosylation.
UniProt:	A0A330KVC6
Pathways:	Activated T Cell Proliferation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Cynomolgus A1 Protein, His Tag on SDS-PAGE under reducing condition.