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Datasheet for ABIN7491231 BTN3A1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	BTN3A1
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
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:	<p>Butyrophilin protein</p> <p>Description: Butyrophilin subfamily 3 member A1 (BTN3A1) is also known as CD277 and BTF5, which 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</p>

Target Details

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: [O00481](#)

Pathways: [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 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