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Datasheet for ABIN7504248

BTN2A1 Protein (AA 29-248) (His tag,DYKDDDDK Tag)

Overview

Quantity:	100 µg
Target:	BTN2A1
Protein Characteristics:	AA 29-248
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN2A1 protein is labelled with His tag,DYKDDDDK Tag.

Product Details

Purpose:	Human BTN2A1 & BTN3A1 complex Protein
Sequence:	Gln29-Ala248 (BTN2A1) acidic tail & Gln30-Gly254 (BTN3A1) basic tail
Specificity:	Uni-Prot: Q7KYR7-1 (BTN2A1), O00481-1 (BTN3A1)
Characteristics:	Recombinant Human BTN2A1 & BTN3A1 complex Protein is expressed from HEK293 with His tag and Flag tag at the C-terminus.It contains Gln29-Ala248 (BTN2A1) acidic tail and Gln30-Gly254 (BTN3A1) basic tail.
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:	BTN2A1
Alternative Name:	BTN2A1 (BTN2A1 Products)
Background:	BTN2A1 and BTN3A1 clearly play highly distinct roles in V γ 9V δ 2 T cell detection of P-Ag-exposed cells. BTN2A1&BTN3A1, a protein complex which contains heterodimeric BTN2A1 and BTN3A1 extracellular domains (ECD), is critical to enhance cytotoxic killing by V γ 9V δ 2 T cells.
Molecular Weight:	30.74 kDa (BTN2A1) and 30.25 kDa (BTN3A1). Due to glycosylation, the protein migrates to 53-63 kDa (BTN2A1) and 33-38 kDa (BTN3A1) based on Tris-Bis PAGE result.
Pathways:	Activated T Cell Proliferation

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μ g/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 μ m 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