



[Go to Product page](#)

Datasheet for ABIN7534368
BTN1A1 Protein (His tag)

Overview

Quantity:	100 µg
Target:	BTN1A1
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This BTN1A1 protein is labelled with His tag.

Product Details

Purpose:	Active Recombinant Human BTN1A1/Butyrophilin Protein
Sequence:	APFDVIGPPE PILAVVGEDA ELPCRLSPNA SAEHLELRWF RKKVSPAVLV HRDGREQEAE QMPEYRGRAT LVQDGIKGR VALRIRGVRV SDDGEYTCFF REDGSYEEAL VHLKVAALGS DPHISMQVQE NGEICLECTS VGWYPEPQVQ WRTSKGEKFP STSESRNPDE EGLFTVAASV IIRDTSKKNV SCYIQNLLLQ QEKKVEISIP ASSLPR
Specificity:	Ala27-Arg242
Purity:	> 97 % by SDS-PAGE.
Sterility:	0.22 µm filtered
Endotoxin Level:	< 0.1 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its ability to inhibit Anti-CD3-induced proliferation of jurkat cells. The ED ₅₀ for this effect is 3.35-13.4 ng/mL.

Target Details

Target:	BTN1A1
Alternative Name:	BTN1A1/Butyrophilin (BTN1A1 Products)
Background:	BTN1A1,BT,BTN,BTN1
Gene ID:	696
UniProt:	Q13410
Pathways:	Activated T Cell Proliferation

Application Details

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

Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1 % BSA, 5 % HSA, 10 % FBS or 5 % Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.
Buffer:	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.
Storage:	-20 °C,-80 °C
Storage Comment:	Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.