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Datasheet for ABIN7519714  
**BTN1A1 Protein (Fc Tag,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 Fc Tag,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:	< 1.0 EU/µg of the protein by LAL method.
Biological Activity Comment:	Measured by its ability to inhibit Anti-CD3-induced proliferation of Jurkat Human acute T lymphocyte leukemia cells. The ED <sub>50</sub> for this effect is 0.13-0.52 ng/mL.

## Target Details

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Target:	BTN1A1
Alternative Name:	BTN1A1/Butyrophilin ( <a href="#">BTN1A1 Products</a> )
Background:	BTN1A1,BT,BTN,BTN1
Gene ID:	696
UniProt:	<a href="#">Q13410</a>
Pathways:	<a href="#">Activated T Cell Proliferation</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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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.