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Datasheet for ABIN7318211 **BTN1A1 Protein (His tag)**

Overview

Quantity:	50 µg
Target:	BTN1A1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN1A1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Butyrophilin 1A1/BTN1A1 Protein (His Tag)
Sequence:	Ala27-Arg242
Characteristics:	Recombinant Human Butyrophilin Subfamily 1 Member A1 is produced by our Mammalian expression system and the target gene encoding Ala27-Arg242 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	BTN1A1
Alternative Name:	Butyrophilin 1A1/BTN1A1 (BTN1A1 Products)
Background:	Background: Butyrophilin Subfamily 1 Member A1 (BTN1A1) is the major protein associated with fat droplets in the milk. It belongs the immunoglobulin superfamily. BTN1A1 acts as a

Target Details

specific membrane-associated receptor for the association of cytoplasmic droplets with the apical plasma membrane. It is localized to the major histocompatibility complex (MHC) class I region of 6p. It may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families. It is shown that BTN1A1 inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion. Synonym: Butyrophilin Subfamily 1 Member A1, BT, BTN1A1, BTN

Molecular Weight: 25.0 kDa

UniProt: [Q13410](#)

Pathways: [Activated T Cell Proliferation](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.