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Datasheet for ABIN7319680 BTN2A2 Protein (Fc Tag)

Overview

Quantity:	50 µg
Target:	BTN2A2
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN2A2 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human BTN2A2 Protein (Fc Tag)
Sequence:	Gln33-Val237
Characteristics:	Recombinant Human BTN2A2 is produced by our Mammalian expression system and the target gene encoding Gln33-Val237 is expressed with a Fc 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:	BTN2A2
Alternative Name:	BTN2A2 (BTN2A2 Products)
Background:	Background: Butyrophilin 2A2 (BTN2A2) is a widely expressed type I transmembrane glycoprotein that functions as a negative regulator of immune responses. Mature human Butyrophilin 2A2 consists of a 233 amino acid (aa) extracellular domain with two

Target Details

immunoglobulin-like domains, a 21 aa transmembrane segment, and a 237 aa cytoplasmic domain. Alternative splicing generates additional isoforms of human Butyrophilin 2A2 that lack the first, second, or both Iglike domains as well as isoforms with substitutions and deletions in the cytoplasmic region. Within the immune system, Butyrophilin 2A2 is expressed on thymic epithelial cells, na?ve B cells, splenic NK cells, dendritic cells, and peritoneal macrophages and is up-regulated with cell activation. Butyrophilin 2A2 inhibits T cell proliferation and activation and enhances the development of FoxP3+ regulatory T cells. Its up-regulation in the hippocampus is associated with schizophrenia.

Synonym: Butyrophilin subfamily 2 member A2, BTN2A2

Molecular Weight: 49.7 kDa

UniProt: [Q8WVV5](#)

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 PBS, pH 7.4.

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.