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Datasheet for ABIN5608201 **BTN1A1 Protein (partial) (Fc Tag)**

Overview

| | |
|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | BTN1A1 |
| Protein Characteristics: | partial |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This BTN1A1 protein is labelled with Fc Tag. |
| Application: | Western Blotting (WB) |

Product Details

| | |
|------------------|---|
| Sequence: | Ala 27 - Arg 242 |
| Purity: | >95 % as determined by SDS-PAGE. |
| Endotoxin Level: | Endotoxin level is less than 1.0 EU per ug by the LAL method. |

Target Details

| | |
|-------------------|---|
| Target: | BTN1A1 |
| Alternative Name: | BTN1A1 (BTN1A1 Products) |
| Background: | Butyrophilin subfamily 1 member A1 (BTN1A1) is also known as BTN, which is a member of the immunoglobulin superfamily and the major protein associated with fat droplets in the milk. BTN1A1 may have a cell surface receptor function. The human butyrophilin gene is localized in the major histocompatibility complex (MHC) class I region of 6p and may have arisen relatively |

Target Details

recently in evolution by the shuffling of exons between 2 ancestral gene families. Furthermore, BTN1A1 regulates the amount of lipids and size of droplets expressed in milk and inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion.

Molecular Weight: 50.6 kDa

Gene ID: 696

UniProt: [Q13410](#)

Pathways: [Activated T Cell Proliferation](#)

Application Details

Application Notes: This recombinant protein can be used for WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: 50 mM Tris, 100 mM Glycine, pH 7.5

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -20 °C, -80 °C

Storage Comment: Lyophilized Protein should be stored at -20°C or lower for long term storage. Upon reconstitution, working aliquots should be stored at -20°C or -70°C.