

Datasheet for ABIN7319877

BTN1A1 Protein (Biotin,His-Avi Tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	BTN1A1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN1A1 protein is labelled with Biotin,His-Avi Tag.

Product Details

Purpose:	Recombinant Human Butyrophilin Subfamily 1 Member A1/BTN1A1 (C-6His-Avi) Biotinylated
Sequence:	Ala27-Arg242
Characteristics:	Biotinylated 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, Avi 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:	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: 26.8 kDa

UniProt: [Q13410](#)

Pathways: [Activated T Cell Proliferation](#)

Application Details

Comment: 35-40 kDa

Restrictions: For Research Use only

Handling

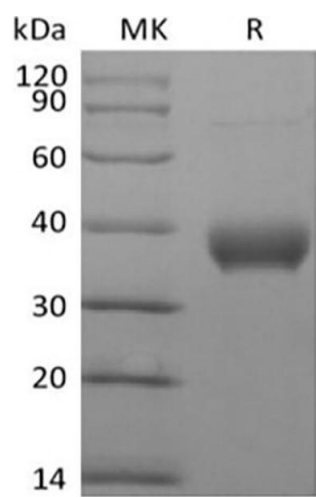
Format: Lyophilized

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.



Western Blotting

Image 1.