



## Synonym

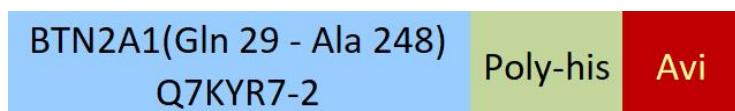
BK14H9.1,BT2.1,BTF1,BTF1BT2.1butyrophilin BTF1,BTN2A1,butyrophilin subfamily 2 member A1,butyrophilin,subfamily 2,member A1,DJ3E1.1,FLJ36567

## Source

Biotinylated Human BTN2A1 Protein, His,Avitag(BT1-H52E6) is expressed from human 293 cells (HEK293). It contains AA Gln 29 - Ala 248 (Accession # [Q7KYR7-2](#)).

Predicted N-terminus: Gln 29

## Molecular Characterization



This protein carries a polyhistidine tag at the C-terminus, followed by an Avi tag (Avitag™).

The protein has a calculated MW of 28.1 kDa. The protein migrates as 45-53 kDa when calibrated against [Star Ribbon Pre-stained Protein Marker](#) under reducing (R) condition (SDS-PAGE) due to glycosylation.

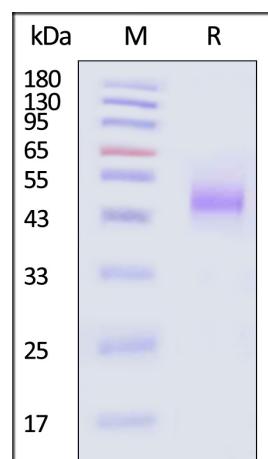
## Labeling

*Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.*

## Protein Ratio

Passed as determined by the HABA assay / binding ELISA.

## SDS-PAGE



Biotinylated Human BTN2A1 Protein, His,Avitag on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90% (With [Star Ribbon Pre-stained Protein Marker](#)).

## Background

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## Purity

>90% as determined by SDS-PAGE.

## Formulation

Lyophilized from 0.22 µm filtered solution in PBS, pH7.4 with trehalose as protectant.

Contact us for customized product form or formulation.

## Reconstitution

Please see Certificate of Analysis for specific instructions.

*For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.*

## Storage

For long term storage, the product should be stored at lyophilized state at -20°C or lower.

*Please avoid repeated freeze-thaw cycles.*

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

## Biotinylated Human BTN2A1 Protein, His,Avitag™

Catalog # BT1-H52E6



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Duplication events have led to three paralogues of BTN2A in primates: BTN2A1, BTN2A2, and BTN2A3. In humans, only BTN2A1 has been functionally characterised; it has been detected on epithelial cells and leukocytes, and identified as a novel ligand of dendritic cell-specific ICAM-3 grabbing nonintegrin (DCSIGN), a C-type lectin receptor that acts as an internalization receptor for HIV-1, HCV, and other pathogens. BTN2A2 mRNA has been shown to be expressed in circulating human immune cells.

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