

Datasheet for ABIN6386438

BTN3A2 Protein (AA 30-248) (His tag,AVI tag,Biotin)[Go to Product page](#)**1** Image

Overview

Quantity:	200 µg
Target:	BTN3A2
Protein Characteristics:	AA 30-248
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This BTN3A2 protein is labelled with His tag,AVI tag,Biotin.

Product Details

Sequence:	AA 30-248
Specificity:	Biotinylation of this product is performed using Avitag™ technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.

Target Details

Target:	BTN3A2
Alternative Name:	BTN3A2 (BTN3A2 Products)
Background:	Butyrophilin subfamily 3 member A2(BTN3A2/BT3.2) mRNA expression by tumoral cells was previously identified as a prognostic factor in a small cohort of high grade serous epithelial ovarian cancer (HG-EOC). We find that the three BTN3A isoforms: BTN3A1, BTN3A2, and

Target Details

BTN3A3, have high structural homology to the B7 superfamily of proteins and exist as V-shaped homodimers in solution, associating through the membrane proximal C-type Ig domain.

Molecular Weight: 27.3 kDa

NCBI Accession: [NP_001184175](#)

Application Details

Comment: Ready-to-use AvitagTM biotinylated protein:
The product is exclusively produced using the AvitagTM technology. Briefly, a unique 15 amino acid peptide, the Avi tag, is introduced into the recombinant protein during expression vector construction. The single lysine residue in the Avi tag is enzymatically biotinylated by the E. Coli biotin ligase BirA.

This single-point enzymatic labeling technique brings many advantages for commonly used binding assays. The biotinylation happens on the lysine residue of Avi tag, and therefore does NOT interfere with the target protein's natural binding activities. In addition, when immobilized on an avidin-coated surface, the protein orientation is uniform because the position of the Avi tag in the protein is precisely controlled.

Restrictions: For Research Use only

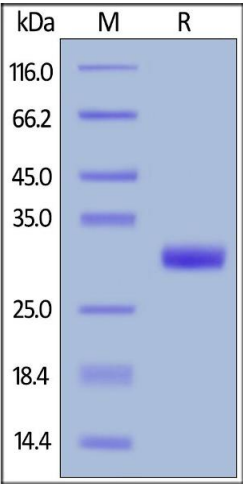
Handling

Format: Lyophilized

Buffer: PBS, pH 7.4

Handling Advice: Please avoid repeated freeze-thaw cycles.

Storage: -20 °C



SDS-PAGE

Image 1. Biotinylated Human BTN3A2, His,Avitag on under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95 % .