

## PRODUCT INFORMATION

<b>Target</b>	BTN3A1
<b>Synonyms</b>	Butyrophilin protein
<b>Description</b>	Recombinant Cynomolgus BTN3A1 protein with C-terminal 6×His tag
<b>Delivery</b>	In Stock
<b>Uniprot ID</b>	A0A330KVC6
<b>Expression Host</b>	HEK293
<b>Tag</b>	C-6×His Tag
<b>Molecular Characterization</b>	BTN3A1(Gln1-Ser218) 6×His tag
<b>Molecular Weight</b>	The protein has a predicted molecular mass of 24.3 kDa after removal of the signal peptide. The apparent molecular mass of cBTN3A1-His is approximately 25-35 kDa due to glycosylation.
<b>Purity</b>	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
<b>Formulation &amp; Reconstitution</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
<b>Storage&amp;Shipping</b>	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
<b>Background</b>	Butyrophilin subfamily 3 member A1 (BTN3A1) is also known as CD277 and BTF5, which belongs to the immunoglobulin superfamily and contains one B30.2/SPRY domain and two Ig-like V-type (immunoglobulin-like) domains. BTN3A1 plays a role in T-cell activation and in the adaptive immune response. Also, BTN3A1 regulates the proliferation of activated T-cells and the release of cytokines and IFNG by activated T-cells. Furthermore, BTN3A1 mediates the response of T-cells toward infected and transformed cells that are characterized by high levels of phosphorylated metabolites, such as isopentenyl pyrophosphate.
<b>Usage</b>	Research use only
<b>Conjugate</b>	Unconjugated



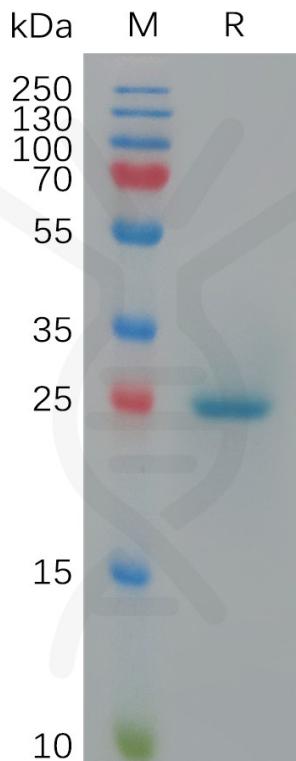


Figure 1. Cynomolgus BTN3A1 Protein, His Tag on SDS-PAGE under reducing condition.

