CYNOMOLGUS BTN3A1 PROTEIN, HIS TAG

Cat.#: 12117

Product Name: Cynomolgus BTN3A1 Protein

Size : 10 μg, 50 μg and 100 μg

Synonyms: Butyrophilin protein

Target: BTN3A1

UNIPROT ID: A0A330KVC6

Description: Recombinant Cynomolgus BTN3A1 protein with C-terminal 6xHis tag

Background: 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.

Species/Host: HEK293

Molecular Weight: 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.

Molecular Characterization: BTN3A1(Gln1-Ser218) 6×His tag

Purity: The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

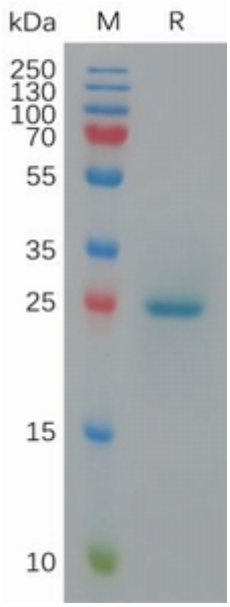

Figure 1. Cynomolgus BTN3A1 Protein, His Tag on SDS-PAGE under reducing condition.