

RP02154

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# Recombinant Human BTN3A3 Protein

Catalog No.: RP02154 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	10384	O00478

### Tags

C-His

### Synonyms

BTN3A3;BTF3;BTN3.3

## Background

Human BTN3A3, also known as butyrophilin subfamily 3 member A3 and BTF3, is a Single-pass type I membrane protein which belongs to the immunoglobulin superfamily and BTN/MOG family. The butyrophilin (BTN) genes are a group of major histocompatibility complex (MHC)-associated genes that encode type I membrane proteins with 2 extracellular immunoglobulin domains and an intracellular B30.2 (PRYSPRY) domain. It can be detected in peripheral blood mononuclear cells, T-cells I, spleen and lymphocytes. BTN3A3 plays a role in T-cell responses in the adaptive immune response.

## Basic Information

### Description

Recombinant Human BTN3A3 Protein is produced by Mammalian expression system. The target protein is expressed with sequence (Gln30-Trp248) of human BTN3A3 (Accession #O00478) fused with a 6xHis tag at the C- terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week. Avoid repeated freeze/thaw cycles.

## Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

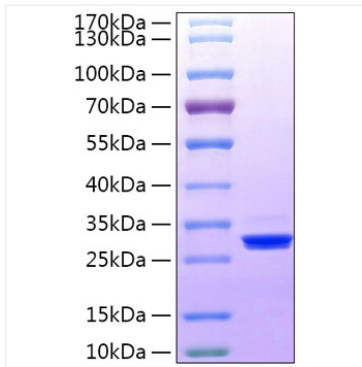


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## Validation Data

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Recombinant Human BTN3A3  
Protein was determined by SDS-  
PAGE under reducing conditions with  
Coomassie Blue.