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# Recombinant Human BTN3A3 Protein (His Tag)

Catalog Number:PDMH100018



**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

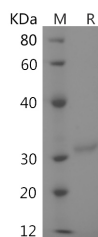
## Description

<b>Synonyms</b>	Butyrophilin subfamily 3 member A3;BTN3A3;BTF3;BTN3.3
<b>Species</b>	Human
<b>Expression Host</b>	HEK293 Cells
<b>Sequence</b>	Gln30-Trp248
<b>Accession</b>	O00478-1
<b>Calculated Molecular Weight</b>	24.6 kDa
<b>Observed molecular weight</b>	30 kDa
<b>Tag</b>	C-His

## Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed man
<b>Reconstitution</b>	Please refer to the printed manual for detailed information.

## Data



> 95 % as determined by reducing SDS-PAGE.

## 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.

## For Research Use Only

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