

Rev03  
 Update: Aug,08,2025

**DATASHEET**

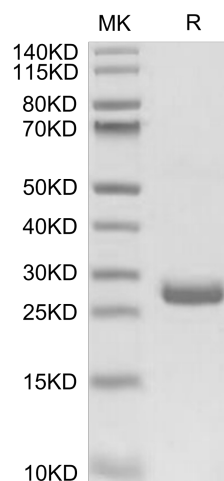
# BTN3A3/BTF3, His, Human

Cat. No.: Z05099

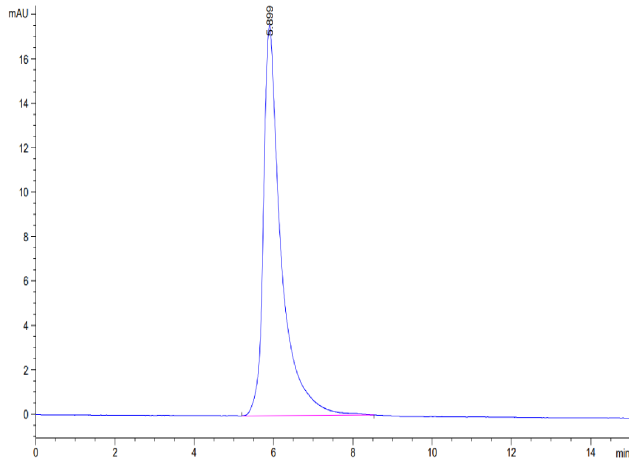
## Product Introduction

<b>Species</b>	Human
<b>Protein Construction</b>	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> <b>BTN3A3/BTF3 (Gln30-Trp248)</b>  <b>Accession # O00478-1</b> </div> <div style="background-color: #76923c; color: white; padding: 5px; text-align: center; margin-left: 10px;"> <b>His</b> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px; font-size: small;"> <span>N-term</span> <span>C-term</span> </div>
<b>Purity</b>	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per µg by the LAL method.
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	24.7 kDa
<b>Apparent Molecular Weight</b>	Due to glycosylation, the protein migrates to 25-30 kDa based on Bis-Tris PAGE result.
<b>Formulation</b>	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Examples



BTN3A3/BTF3, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of BTN3A3/BTF3, His, Human is greater than 95% as determined by SEC-HPLC.

## Background

**Target Background :** The butyrophilin (BTN) family has many members with diverse functions related to immunomodulation, initiation and progression of tumors. BTN3A3 belongs to the BTN family, and exploring its expression and correlation with the prognosis of non-small cell lung cancer (NSCLC) patients has great clinical significance. The expression of BTN3A3 in NSCLC tissues was significantly lower than in adjacent tissues, and patients with low expression of BTN3A3 had late clinical stages and lower degree of tumor differentiation.

**Synonyms :** BTN3A3; BTF3; BTN3.3; BTF3butyrophilin 3

**For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.**

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