

Datasheet for ABIN7273979

BTN3A3 Protein (AA 30-248) (His tag)**2** Images[Go to Product page](#)

Overview

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|-------------------------------|---|
| Quantity: | 100 µg |
| Target: | BTN3A3 |
| Protein Characteristics: | AA 30-248 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This BTN3A3 protein is labelled with His tag. |

Product Details

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| Purpose: | Human BTN3A3/BTF3 Protein |
| Sequence: | Gln30-Trp248 |
| Characteristics: | Recombinant Human BTN3A3/BTF3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln30-Trp248. |
| Purity: | > 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC |
| Sterility: | 0.22 µm filtered |
| Endotoxin Level: | Less than 1EU per µg by the LAL method. |

Target Details

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| Target: | BTN3A3 |
| Alternative Name: | BTN3A3 (BTN3A3 Products) |

Target Details

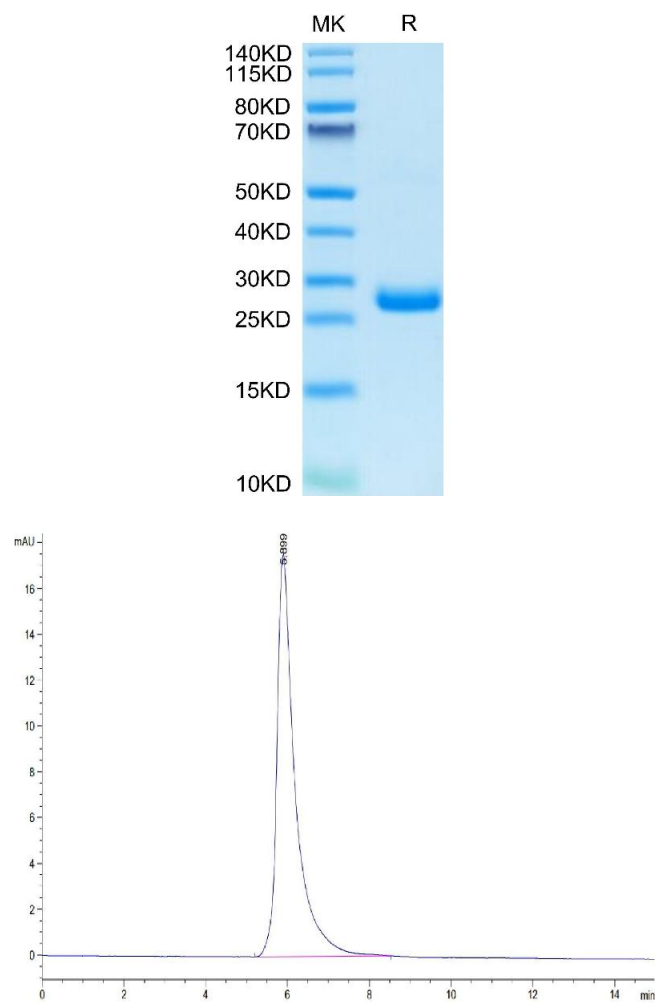
| | |
|-------------------|---|
| Background: | The butyrophilin (BTN) family has many members with diverse functions related to immunomodulation, initiation and progression of tumors. BTN3A3 belongs to the BTN family, and exploring its expression and correlation with the prognosis of non-small cell 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. |
| Molecular Weight: | 24.7 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result. |

Application Details

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| Restrictions: | For Research Use only |
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Handling

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| Format: | Lyophilized |
| Reconstitution: | Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water. |
| Buffer: | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization. |
| Storage: | -20 °C,-80 °C |
| Storage Comment: | -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |
| Expiry Date: | 12 months |



SDS-PAGE

Image 1. Human BTN3A3/BTF3 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .

Size-exclusion chromatography-High Pressure Liquid Chromatography

Image 2. The purity of Human BTN3A3/BTF3 is greater than 95 % as determined by SEC-HPLC.