

## Recombinant Human BTN3A1 protein(Met1-Gly254)

**Cat. No.** BTN3A1-1266H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                 |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human BTN3A1 (NP_919423.1) (Met1-Gly254) was expressed in HEK293 with five amino acids (DDDDK) at the C-terminus.                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                           |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | Met1-Gly254                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                                  |
| <b>Molecular Mass</b>   | The recombinant Human BTN3A1 consists of 231 amino acids and predicts a molecular mass of 24.8 kDa.                                                                                                                                             |
| <b>Endotoxin</b>        | < 1.0 EU per µg protein as determined by the LAL method.                                                                                                                                                                                        |
| <b>Purity</b>           | > 90 % as determined by SDS-PAGE.                                                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |

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## GENE INFORMATION

|                        |                                                                                                                                                                    |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | BTN3A1 butyrophilin, subfamily 3, member A1 [ Homo sapiens ]                                                                                                       |
| <b>Official Symbol</b> | BTN3A1                                                                                                                                                             |
| <b>Synonyms</b>        | BTN3A1; butyrophilin, subfamily 3, member A1; butyrophilin subfamily 3 member A1; BT3.1; BTF5; CD277; dJ45P21.3 (butyrophilin, subfamily 3, member A1); MGC141880; |
| <b>Gene ID</b>         | 11119                                                                                                                                                              |
| <b>mRNA Refseq</b>     | NM_001145008                                                                                                                                                       |
| <b>Protein Refseq</b>  | NP_001138480                                                                                                                                                       |
| <b>MIM</b>             | 613593                                                                                                                                                             |
| <b>UniProt ID</b>      | O00481                                                                                                                                                             |

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