

## Recombinant Human BTN3A3 Protein

Cat. No. BTN3A3-617H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human BTN3A3 protein without tag was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	584
<b>Description</b>	The butyrophilin (BTN) genes are a group of major histocompatibility complex (MHC)-associated genes that encode type I membrane proteins with 2 extracellular immunoglobulin (Ig) domains and an intracellular B30.2 (PRYSPRY) domain. Three subfamilies of human BTN genes are located in the MHC class I region: the single-copy BTN1A1 gene (MIM 601610) and the BTN2 (e.g., BTN2A1; MIM 613590) and BTN3 (e.g., BNT3A3) genes, which have undergone tandem duplication, resulting in 3 copies of each (summary by Smith et al., 2010 [PubMed 20208008]).
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	25.5 kDa
<b>AA Sequence</b>	MKMASSLAFLLLNHFVSLFLVQLLTPCSAQFSVLGSPGPILAMVGEDADLPCHLFPT MSAETMELRWVSSSLRQVVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRI HNVTASDSGKYLCYFQDGDYFYEKALVELKVAALGSDLHIEVKGYEDGGIHLECRSTG WYPQPQIKWSDTKGENIPAVEAPVVADGVGLYAVAASVIMRGSSGGGVSCIIRNSLL GLEKTASISIADPFFRSAQPWIAALAGTLPISLLLLAGASYFLWRQQKEKIALSRETER

Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

EREMKEMGYAATEQEISLREKLQEELKWRKIQYMARGEKSLAYHEWKMALFKPADV  
 ILDPDTANAILLVSEDQRSVQRAEPRDLDPNPERFEWRYCVLGCENFTSGRHYWE  
 VEVGDRKEWHIGVCSKNVERKKGWVKMTPENGYWTMGLTDGNKYRALTEPRNL  
 KLPEPPRKVGIFLDYETGEISFYNDGSHIYTFPHASFSEPLYPVFRILTLEPTALTIC  
 PIPKEVESSPDPDLVPDHSLETPLTPGLANESGEPQAEVTSLLLPAHPGAEVSPSATT  
 NQNHKLQARTEALY

**Purity** > 98%

**Applications** WB; ELISA; FACS; FC

**Stability** This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

**Storage** At -20 centigrade.

**Concentration** 1 mg/mL

**Storage Buffer** PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

**Reconstitution** Reconstitute in sterile distilled H<sub>2</sub>O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

## GENE INFORMATION

**Gene Name** [BTN3A3](#) butyrophilin, subfamily 3, member A3 [ Homo sapiens (human) ]

**Official Symbol** [BTN3A3](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



<b>Synonyms</b>	BTN3A3; butyrophilin, subfamily 3, member A3; butyrophilin subfamily 3 member A3; BTF3; butyrophilin 3;
<b>Gene ID</b>	10384
<b>mRNA Refseq</b>	NM_001242803
<b>Protein Refseq</b>	NP_001229732
<b>MIM</b>	613595
<b>UniProt ID</b>	O00478

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA