

## Product datasheet for **TP320673**

### **BTN3A3 (NM\_006994) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human butyrophilin, subfamily 3, member A3 (BTN3A3), transcript variant 1, 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC220673 representing NM_006994 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKMASSLAFLLLNHFVSLFLVQLLTPCSAQFVSLGSPGILAMVGEDADLPCHLFPTMSAETMELRWVSS  
SLRQVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRIHNVTASDSGKYLCYFQDGDYFEKALVE  
LKVAALGSDLHIEVKGYEDGGIHLECRSTGWYPQPQIKWSDTKGENIPAVEAPVWADGVGLYAVAASVIM  
RGSSGGGVSCIIRNSLLGLEKTASISADPFPSAQPWIAALAGTLPISLLLLAGASYFLWRQKQEKIAL  
SRETEREREMKEMGYAATEQEISLREKLQEELKWRKIQYMARGEKSLAYHEWKMALFKPADVILDPDTAN  
AILLVSEDQRSVQRAEPRDLPDNERFEWRYCVLGCENFTSGRHYWEVEVGRKEWHIGVCSKNVERKK  
GWVKMTPENGYWTMGLTDGNKYRALTEPRTNLKLPPEPRKVGIFLDYETGEISFYNATDGSHIYTFPHAS  
FSEPLYPVFRILTLEPTALTICPIKVESSPDPDLVPDHSLETPLTPGLANESGEPQAEVTSLLLPAPH  
GAEVSPSATTNQNHKLQARTEALY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	64.8 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_008925](#)

**Locus ID:** 10384

**UniProt ID:** [O00478](#), [A0A024R042](#)

**RefSeq Size:** 2956

**Cytogenetics:** 6p22.2

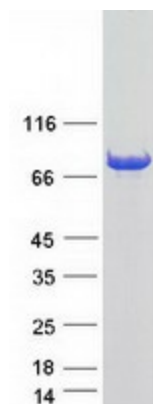
**RefSeq ORF:** 1752

**Synonyms:** BTF3; BTN3.3

**Summary:** 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]).[supplied by OMIM, Nov 2010]

**Protein Families:** Druggable Genome, Transmembrane

### Product images:



Coomassie blue staining of purified BTN3A3 protein (Cat# TP320673). The protein was produced from HEK293T cells transfected with BTN3A3 cDNA clone (Cat# [RC220673]) using MegaTran 2.0 (Cat# [TT210002]).