

## Product datasheet for PH320673

### BTN3A3 (NM\_006994) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	BTN3A3 MS Standard C13 and N15-labeled recombinant protein (NP_008925)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC220673
Predicted MW:	64.8 kDa
Protein Sequence:	>RC220673 representing NM_006994 Red=Cloning site Green=Tags(s)

MKMASSLAFLLLNHFVSLFLVQLLTPCSAQF SVLGPSPGILAMVGEDADLPCHLFPTMSAETMELRWVSS  
SLRQVVVNYADGKEVEDRQSAPYRGRSTILRDGITAGKAALRIHNVTASDSGKYL CYFQDGFYEKALVE  
LKVAALGSDLHIEVKGYEDGGIHL ECRSTGWYPQPQIKWSDTKGENIPAVEAPVVADGVGLYAVAASVIM  
RGSSGGGVSCIIRNSLLGLEKTASISADPF FRSAPWIAALAGTLPISLLLLAGASYFLWRQQEKIAL  
SRETEREREMKEMGYAATEQEISLREKLQEELKWRKIQYMARGEKSLAYHEWKMALFKPADVILDPDTAN  
AILLVSEDQRSVQRAEPRDLPDNERFEWRYCVLGCENFTSGRHYWEVEVGRKEWHIGVCSKNVERKK  
GWVKMTPENGYWTMGLTDGNKYRALTEPRNLKLP EPRKVGIFLDYETGEISFYNATDGS HIYTFPHAS  
FSEPLYPVFRILTLEPTALTICPIKVESSPDPDLVPDHSLETPLTPGLANESGEPQAEVTSLLLPAHP  
GAEVSPSATTNQNHLQARTEALY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u><a href="#">NP_008925</a></u>
RefSeq Size:	2956
RefSeq ORF:	1752



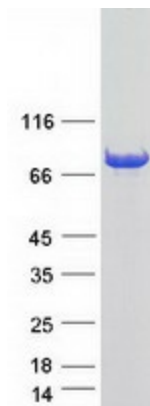
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**Synonyms:** BTF3; BTN3.3  
**Locus ID:** 10384  
**UniProt ID:** [O00478](#), [A0A024R042](#)  
**Cytogenetics:** 6p22.2

**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]).