

Product datasheet for **TP320673M**

BTN3A3 (NM_006994) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human butyrophilin, subfamily 3, member A3 (BTN3A3), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220673 representing NM_006994 Red =Cloning site Green =Tags(s)

MKMASSLAFLLLNHFVSLFLVQLLTPCSAQFVSLGSPGILAMVGEDADLPCHLFPTMSAETMELRWVSS
SLRQVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRIHNVTASDSGKYLCYFQDGDYFYEKALVE
LKVAALGSDLHIEVKGYEDGGIHLECRSTGWYPQPQIKWSDTKGENIPAVEAPVWADGVGLYAVAASVIM
RGSSGGGVSCIIRNSLLGLEKTASISADPFPSAQPWIAALAGTLPISLLLLAGASYFLWRQKQEKIAL
SRETEREREMKEMGYAATEQEISLREKLQEELKWRKIYQMARGEKSLAYHEWKMALFKPADVILDPDTAN
AILLVSEDQRSVQRAEPRDLPDNERFEWRYCVLGCENFTSGRHYWEVEVGRKEWHIGVCSKNVERKK
GWVKMTPENGYWTMGLTDGNKYRALTEPRTNLKLPPEPRKVGIFLDYETGEISFYNATDGSHIYTFPHAS
FSEPLYPVFRILTLEPTALTICPIKVESSPDPDLVPDHSLETPLTPGLANESGEPQAEVTSLLLPAPH
GAEVSPSATTNQNHLQARTEALY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

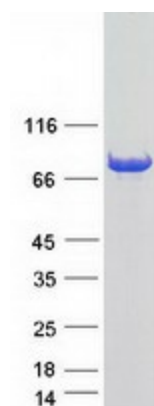
RefSeq ORF: 1752

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]).