

Product datasheet for **TP316344M**

BTN3A1 (NM_007048) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human butyrophilin, subfamily 3, member A1 (BTN3A1), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216344 protein sequence Red =Cloning site Green =Tags(s)

MKMASFLAFLLLNFRVCLLLLQLLMPHSAQFSVLGPSGPILAMVGEDADLPCHLFPTMSAETMELKWVSS
SLRQVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRIHNVTASDSGKYLCYFQDGDIFYEKALVE
LKVAALGSDLHVDVKGYKDGGIHLPCRSTGWYPQPQIQWSNNKGENIPTVEAPVWADGVGLYAVAASVIM
RGSSGEGVSTIRSSLLGLEKTASISADPFFRSAQRWIAALAGTLPVLLLLGGAGYFLWQQQEKKKTQ
FRKKKREQELREMAWSTMKQEQSTRVKLLEELRWRSIQYASRGERHSAYNEWKKALFKPADVILDPKTAN
PILLVSEDQRSVQRAKEPQDLPDNPERFNWHYCVLGCESFISGRHYWEVEVGRKEWHIGVCSKNVQRKG
WVKMTPENGFWTMGLTDGNKYRTLTEPRTNLKLPKTPKKVGVFLDYETGDISFYNAVDGSHIHTFLDVSF
SEALYPVFRILTLEPTALTICPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

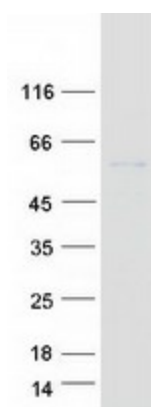
Tag:	C-Myc/DDK
Predicted MW:	57.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_008979
Locus ID:	11119
UniProt ID:	O00481
RefSeq Size:	3434
Cytogenetics:	6p22.2
RefSeq ORF:	1539
Synonyms:	BT3.1; BTF5; BTN3.1; CD277
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., BNT3A1) 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 BTN3A1 protein (Cat# [TP316344]). The protein was produced from HEK293T cells transfected with BTN3A1 cDNA clone (Cat# [RC216344]) using MegaTran 2.0 (Cat# [TT210002]).