

Product datasheet for PH316344

BTN3A1 (NM_007048) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	BTN3A1 MS Standard C13 and N15-labeled recombinant protein (NP_008979)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC216344
Predicted MW:	57.7 kDa
Protein Sequence:	>RC216344 protein sequence Red=Cloning site Green=Tags(s)

MKMASFLAFLLLNFRVCLLLLQLLMPHSAQF SVLGPSPGILAMVGEDADLPCHLFPTMSAETMELKWVSS
SLRQVVVNYADGKEVEDRQSAPYRGRSILRDGITAGKAALRIHNVTASDYGKYL CYFQDGDYFEKALVE
LKVAALGSDLHVDVKGYKDGGIHL ECRSTGWYPQPQIQWSNKGNIPTVEAPVVADGVGLYAVAASVIM
RGSSGEGVSCTIRSSLLGLEKTASISADPF FRSARWIAALAGTLPVLLLLGGAGYFLWQQQEEKKTQ
FRKKKREQELREMAWSTMKQEQSTRVKLLEELRWR SIQYASRGERHSAYNEWKKALFKPADVILDPKTAN
PILLVSEDQRSVQRAKEPQDL PDNPERFNWHYCVLGCESFISGRHYWEVEVGDRKEWHIGVCSKNVQRKG
WVKMTPENGFWTMGLTDGNKYRTLTEPRTNLKLPKTPKKVGVFLDYETGDISFYNAVDGSHIHTFLDVSF
SEALYPVFRILTLEPTALTICPA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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>NP_008979</u>
RefSeq Size:	3434
RefSeq ORF:	1539



[View online »](#)

Synonyms: BT3.1; BTF5; BTN3.1; CD277

Locus ID: 11119

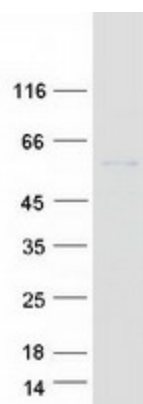
UniProt ID: [O00481](#)

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., 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]).