

Recombinant Human BTN3A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. BTN3A1-730H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	BTN3A1 MS Standard C13 and N15-labeled recombinant protein (NP_008979) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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 and the BTN2 (e.g., BTN2A1) and BTN3 (e.g., BNT3A1) genes, which have undergone tandem duplication, resulting in 3 copies of each.
Molecular Mass	57.7 kDa
AA Sequence	MKMASFLAFLLLNFRVCLLLLQLLMPHSAQFSVLGSPGPILAMVGEDADLPCHLFPT MSAETMELKWVSSSLRQVVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRI HNVTASDSGKYLCYFQDGDYFEKALVELKVAALGSDLHVDVKGYKDGGIHLERST GWYPQPQIQWSNNKGENIPTVEAPVVADGVGLYAVAASVIMRGSSGEGVSTIRSS LLGLEKTASISIADPFFRSAQRWIAALAGTLPVLLLLLGGAGYFLWQQQEEKKTQFRK KKREQELREMAWSTMKQEQSTRVKLLEELRWRSIQYASRGERHSAYNEWKKALFK PADVILDPKTANPILLVSEDQRSVQRAKEPQDLDPNPERFNWHYCVLGCESFISGRH

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YWEVEVGDRKEWHIGVCSKNVQRKGWVKMTPENGFWTMGLTDGNKYRTLTEPRT
NLKLPKTPKKVGVFLDYETGDISFYNAVDGSHIHTFLDVSFSEALYPVFRILTLEPTAL
TICPATRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [BTN3A1 butyrophilin subfamily 3 member A1 \[Homo sapiens \(human\) \]](#)

Official Symbol [BTN3A1](#)

Synonyms BTN3A1; butyrophilin, subfamily 3, member A1; butyrophilin subfamily 3 member A1; BT3.1; BTF5; CD277; dJ45P21.3 (butyrophilin, subfamily 3, member A1); MGC141880;

Gene ID [11119](#)

mRNA Refseq [NM_007048](#)

Protein Refseq [NP_008979](#)

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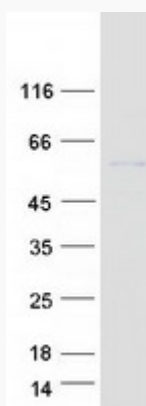
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MIM 613593

UniProt ID O00481

SDS-PAGE



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