

# 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  
HNVTASDSGKYLCYFQDGFYEKALVELKVAALGSDLHVDVKGYKDGGIHLERST  
GWYPQPQIQWSNNGENIPTVEAPVVADGVGLYAVAASVIMRGSSGEGVSTIRSS  
LLGLEKTASISADPFFRSAQRWIAALAGTLPVLLLLGGAGYFLWQQQEEKKTQFRK  
KKREQELREMAWSTMKQEQSTRVKLLEELRWRSIQYASRGERHSAYNEWKKALFK  
PADVILDPKTANPILLVSEDQRSVQRAKEPQDLPDNPFRFNWHYCVLGCESFISGRH

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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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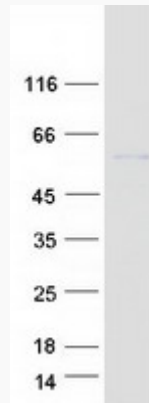
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MIM 613593

UniProt ID O00481

SDS-PAGE



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