

Recombinant Full Length Human BTN3A1 Protein, C-Flag-tagged

Cat. No. BTN3A1-1530HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human BTN3A1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 and genes, which have undergone tandem duplication, resulting in 3 copies of each.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	57.5 kDa
AA Sequence	MKMASFLAFLLLNFRVCLLLLQLLMPHSAQFSVLGPSGPILAMVGEDADLPCHLFPT MSAETMELKWWSS SLRQVVNVYADGKEVEDRQSAPYRGRTSILRDGITAGKAALRI HNVTASDSGKYLCYFQDGDGFYEKALVE LKVAALGSDLHVDVKGYKDGGIHLECRST GWYPQPQIQWSNKNKGENIPTVEAPVVADGVGLYAVAASVIM RGSSGEGVSCTIRS SLLGLEKTASISADPFFRSAQRWIAALAGTLPVLLLLLGGAGYFLWQQQEEKKTQ F RKKKREQELREMAWSTMKQEQSTRVKLLEELRWRSIQYASRGERHSAYNEWKKAL

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FKPADVILDPKTAN PILLVSEDQRSVQRAKEPQDLDPNPERFNWHYCVLGCESFISG
 RHYWEVEVGDREKEWHIGVCSKNVQRKG WVKMTPENGFWTMGLTDGNKYRTLTE
 PRTNLKLPKTPKKVGVFLDYETGDISFYNAVDGSHIHTFLDVSF
 SEALYPVFRILTLEPTALTICPATRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

Storage Store at -80 centigrade.

Concentration >50 ug/mL as determined by microplate BCA method.

Preparation Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Protein Families Druggable Genome, Transmembrane

Full Length Full L.

GENE INFORMATION

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

Official Symbol [BTN3A1](#)

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

Gene ID [11119](#)

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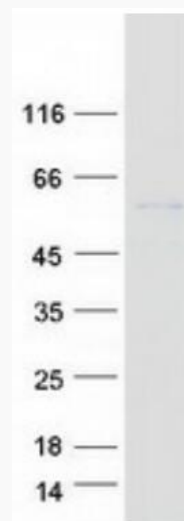
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mRNA Refseq [NM_007048.6](#)

Protein Refseq [NP_008979.3](#)

MIM [613593](#)

UniProt ID [O00481](#)



Coomassie blue staining of purified BTN3A1 protein.

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