

Recombinant Full Length Human BTN3A3 Protein, GST-tagged

Cat. No. BTN3A3-1678HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human BTN3A3 full-length ORF (AAH15815.1, 1 a.a. - 584 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	584 amino acids
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 (MIM 601610) and the BTN2 (e.g., BTN2A1; MIM 613590) and BTN3 (e.g., BNT3A3) genes, which have undergone tandem duplication, resulting in 3 copies of each.
Molecular Mass	89.87 kDa
AA Sequence	MKMASSLAFL LLNFHVSFLF VQLLTPCSAQ FSVLGPSGPI LAMVGEDADL PCHLFPTMSA ETMELRWVSS SLRQVVNVYA DGKEVEDRQS APYRGRTSIL RDGITAGKAA LRIHNV TASD SGKYLCYFQD GDFYEKALVE LKVAALGSDL HIEVKGYEDG GIHLECRSTG WYPQPQIKWS DTKGENIPAV EAPVVADGVG LYAVAASVIM RGSSGGGVSC IIRNSLLGLE KTASISIADP FFRSAQPWIA ALAGTLPISL LLLAGASYFL WRQQKEKIAL SRETEREREM KEMGYAATEQ

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EISLREKLQE ELKWRKIQYM ARGEKSLAYH EWKMALFKPA DVILDPDTAN
 AILLVSEDQR SVQRAEPRD LPDNPERFEW RYCVLGCENF TSGRHYWEVE
 VGDRKEWHIG VCSKNVERKK GWVKMTPENG YWTMGLTDGN KYRALTEPRT
 NLKLPEPPRK VGIFLDYETG EISFYNATDG SHIYTFPHAS FSEPLYPVFR
 ILTLEPTALT ICIPKEVES SPDPDLVPDH SLETPLTPGL ANESGEPQAE
 VTSLLLPAHP GAEVSPSATT NQNHKLQART EALY

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name [BTN3A3](#) butyrophilin, subfamily 3, member A3 [Homo sapiens]

Official Symbol [BTN3A3](#)

Synonyms BTN3A3; butyrophilin, subfamily 3, member A3; butyrophilin subfamily 3 member A3; BTF3; butyrophilin 3

Gene ID [10384](#)

mRNA Refseq [NM_001242803](#)

Protein Refseq [NP_001229732](#)

MIM [613595](#)

UniProt ID [O00478](#)

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