Active Recombinant Human BTN3A1, MIgG2a Fc-tagged

Cat. No. BTN3A1-001H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CD277 (AAI21801.1) (Gln30-Gly254) is fused to the N-terminus of the Fc region of mouse IgG2awas expressed in CHO cell
Species	Human
Source	CHO
ProteinLength	30-254 a.a.
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., BNT3A1) genes, which have undergone tandem duplication, resulting in 3 copies of each
Form	Lyophilized from 0.2μm-filtered solution in PBS.
Bio-activity	Play a role in T-cell activation and in the adaptive immune response.
Molecular Mass	51KDa (monomer)
AA Sequence	Gln30-Gly254

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Endotoxin	<0.06 eu/μg="" as="" determined="" by="" lal="" test.="">
Purity	>98%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.
Reconstitution	Reconstitute at 100μg/ml in sterile PBS.
Warning	Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name	BTN3A1 butyrophilin, subfamily 3, member A1 [Homo sapiens]
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_001145008
Protein Refseq	NP_001138480
MIM	613593
UniProt ID	O00481

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Chromosome Location	6p22.1
Function	protein binding;

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