

Product datasheet for **TP724828**

BTN3A1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human BTN3A1/CD277 (C-hFc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln30-Gly254
Tag:	C-hFc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, 5% Trehalose, 0.01%Tween 80, pH7.4
Note:	Recombinant Human Butyrophilin Subfamily 3 Member A1 is produced by our Mammalian expression system and the target gene encoding Gln30-Gly254 is expressed with a Fc tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	11119
UniProt ID:	O00481
Summary:	BTN3A1, also known as CD277, is a type I transmembrane glycoprotein that belongs to the Ig superfamily. BTN3A1 is expressed on various immune cells. Similar to BTN3A2 and BTN3A3, BTN3A1 is composed of an extracellular N-terminal IgV and a membrane-proximal IgC domain followed by a transmembrane domain and a cytoplasmic tail. These Ig domains are also found in B7 family co-stimulatory molecules, suggesting structural and functional similarities between the two protein families. BTN3A1 is essential for the activation of V β 9V α 12 T cells following the detection of distressed cells. The anti-tumor responses of V β 9V α 12 T cells may be enhanced with agonistic anti-BTN3A3 antibodies.



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