

Product datasheet for **TP728060**

BTN3A1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Biotinylated Human BTN3A1 (C-Fc-Avi)
Species:	Human
Expression cDNA Clone or AA Sequence:	Gln30-Gly254
Tag:	C-Fc-Avi
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS, pH7.4.
Note:	Biotinylated 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, Avi tag at the C-terminus.
Stability:	12 months from date of despatch
Locus ID:	11119
UniProt ID:	O00481
Summary:	Butyrophilin Subfamily 3 Member A1 (BTN3A1/CD277) is a type I transmembrane glycoprotein member of the Ig superfamily. It is expressed on a wide variety of immune cells. Similar to BTN3A2 and BTN3A3, BTN3A1 is composed of an extracellular N-terminal IgV and a membraneproximal IgC domain followed by a transmembrane domain and a cytoplasmic tail. These Ig domains are also found in B7 family costimulatory molecules, suggesting structural and functional similarities between the two protein families. BTN3A1 acts as a critical protein for the activation of VÎ³9VÎ´2 T cells following detection of distressed cells. The anti-tumor responses of VÎ³9VÎ´2 T cells may be enhanced with agonistic anti-BTNA3 antibodies.



[View online »](#)