

Product datasheet for **TP726635**

BTN1A1 Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human BTN1A1 (C-Fc)
Species:	Human
Expression cDNA Clone or AA Sequence:	Ala27-Arg242
Tag:	C-Fc
Buffer:	Lyophilized from a 0.2 um filtered solution of PBS,pH7.4.
Note:	Recombinant Human Butyrophilin Subfamily 1 Member A1 is produced by our Mammalian expression system and the target gene encoding Ala27-Arg242 is expressed with a Fc tag at the C-terminus.
Storage:	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Stability:	12 months from date of despatch
Locus ID:	696
UniProt ID:	Q13410
Synonyms:	Butyrophilin Subfamily 1 Member A1; BT; BTN1A1; BTN
Summary:	Butyrophilin Subfamily 1 Member A1 (BTN1A1) is the major protein associated with fat droplets in the milk. It belongs the immunoglobulin superfamily. BTN1A1 acts as a specific membrane-associated receptor for the association of cytoplasmic droplets with the apical plasma membrane. It is localized to the major histocompatibility complex (MHC) class I region of 6p. It may have arisen relatively recently in evolution by the shuffling of exons between 2 ancestral gene families. It is shown that BTN1A1 inhibits the proliferation of CD4 and CD8 T-cells activated by anti-CD3 antibodies, T-cell metabolism and IL2 and IFNG secretion.
Protein Families:	Druggable Genome, Transmembrane



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