



BTNL2 Recombinant Protein

CATALOG NUMBER: 90-375

Specifications

SPECIES:	Mouse
SOURCE SPECIES:	CHO cells
SEQUENCE:	The extracellular domain of mouse BTNL2 (aa 26-457) is fused to the N-terminus of the Fc region of mouse IgG2a.
FUSION TAG:	Fc Tag
APPLICATIONS:	This recombinant proteins is for research use only.
BIOLOGICAL ACTIVITY:	A butyrophilin-like molecule that functions to inhibit T cell activation.

Properties

PURITY:	>98% (SDS-PAGE)
PHYSICAL STATE:	Lyophilized
BUFFER:	Lyophilized from 0.2um-filtered solution in PBS.
STORAGE CONDITIONS:	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.

Additional Info

ALTERNATE NAMES:	Butyrophilin-like Protein 2
ACCESSION NO.:	NP_524574
PROTEIN GI NO.:	83721945

Background

Butyrophilin-like 2 (BTNL2) is a butyrophilin family member with homology to the B7 costimulatory molecules, polymorphisms of which have been recently associated through genetic analysis; to sporadic inclusion body myositis and sarcoidosis. BTNL2 mRNA is highly expressed in lymphoid tissues as well as in intestine. BTNL2-Ig fusion protein was shown to recognize a putative receptor whose expression on B and T cells was significantly enhanced after activation. It inhibited T cell proliferation and TCR activation of NFAT, NF-kappaB and AP-1 signaling pathways. BTNL2 is the first member of the butyrophilin family that regulates T cell activation, which has implications in immune diseases and immunotherapy.

FOR RESEARCH USE ONLY

December 14, 2016