

BTN3A1/CD277 Protein, Human (225a.a, HEK293, His)

Cat. No.:	HY-P72763
Synonyms:	Butyrophilin subfamily 3 member A1; CD277; BTN3A1; BTF5
Species:	Human
Source:	HEK293
Accession:	O00481 (Q30-G254)
Gene ID:	11119
Molecular Weight:	28-35 kDa

PROPERTIES

AA Sequence	<p> Q F S V L G P S G P I L A M V G E D A D L P C H L F P T M S A E T M E L K W V S S S L R Q V V N V Y A D G K E V E D R Q S A P Y R G R T S I L R D G I T A G K A A L R I H N V T A S D S G K Y L C Y F Q D G D F Y E K A L V E L K V A A L G S D L H V D V K G Y K D G G I H L E C R S T G W Y P Q P Q I Q W S N N K G E N I P T V E A P V V A D G V G L Y A V A A S V I M R G S S G E G V S C T I R S S L L G L E K T A S I S I A D P F F R S A Q R W I A A L A G </p>
Biological Activity	Immobilized Human BTN3A1, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Anti-BTN3A1 Antibody, hFc Tag with the EC ₅₀ of 4.8ng/ml determined by ELISA.
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	The BTN3A1/CD277 protein is involved in crucial functions related to T-cell activation and the adaptive immune response. It acts as a regulator of activated T-cell proliferation and controls the release of cytokines and IFNG by these cells.
------------	--

Additionally, it plays a role in mediating the response of T-cells towards infected and transformed cells that exhibit elevated levels of phosphorylated metabolites, such as isopentenyl pyrophosphate. The BTN3A1/CD277 protein functions as a homodimer.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA