

BTN2A2 Protein, Human (Biotinylated, HEK293, Fc-Avi)

Cat. No.:	HY-P72344
Synonyms:	Butyrophilin subfamily 2 member A2; BTN2A2
Species:	Human
Source:	HEK293
Accession:	Q8WVV5 (Q33-V237)
Gene ID:	10385
Molecular Weight:	55-80 kDa

PROPERTIES

AA Sequence	<p>Q F T V V G P A N P I L A M V G E N T T L R C H L S P E K N A E D M E V R W F R</p> <p>S Q F S P A V F V Y K G G R E R T E E Q M E E Y R G R I T F V S K D I N R G S V</p> <p>A L V I H N V T A Q E N G I Y R C Y F Q E G R S Y D E A I L R L V V A G L G S K</p> <p>P L I E I K A Q E D G S I W L E C I S G G W Y P E P L T V W R D P Y G E V V P A</p> <p>L K E V S I A D A D G L F M V T T A V I I R D K Y V R N V S C S V N N T L L G Q</p> <p>E K E T V</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.
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	<p>BTN2A2 protein functions as an inhibitor, impeding the proliferation of both CD4 and CD8 T-cells that are activated by anti-CD3 antibodies. Additionally, it exerts regulatory control over T-cell metabolism and suppresses the secretion of the cytokines IL2 and IFNG. This inhibition reflects BTN2A2's pivotal role in modulating immune responses and maintaining immune homeostasis by limiting the activation and effector functions of T-cells.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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