

## BTN2A2 Protein, Mouse (HEK293, His)

Cat. No.:	HY-P700958
Synonyms:	BTN2A2; BT2.2; BTF2; BTN2.2
Species:	Mouse
Source:	HEK293
Accession:	A4QPC6-1 (Q30-S244)
Gene ID:	/
Molecular Weight:	40-50 kDa

### PROPERTIES

Appearance	Solution.
Formulation	Supplied as a 0.22 $\mu$ m filtered solution of PBS, pH 7.4.
Endotoxin Level	<1 EU/ $\mu$ g, determined by LAL method.
Reconstitution	N/A.
Storage & Stability	Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.
Shipping	Shipping with dry ice.

### DESCRIPTION

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

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