

Recombinant Human *BTN3A3*

Catalog No: CC72

Description	Recombinant Human Butyrophilin subfamily 3 member A3 is produced by our Mammalian expression system and the target gene encoding Gln30-Trp248 is expressed with a 6His tag at the C-terminus.
Source	Human Cells
Alternative name	Butyrophilin subfamily 3 member A3;BTN3A3
Accession No.	O00478
Formulation	Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Reconstitution	<p>Always centrifuge tubes before opening. Do not mix by vortex or pipetting.</p> <p>It is not recommended to reconstitute to a concentration less than 100µg/ml.</p> <p>Dissolve the lyophilized protein in distilled water.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Quality Control	<p>Purity: Greater than 95% as determined by reducing SDS-PAGE.</p> <p>Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.</p>
Shipping	<p>The product is shipped at ambient temperature.</p> <p>Upon receipt, store it immediately at the temperature listed below.</p>
Storage	<p>Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks.</p> <p>Reconstituted protein solution can be stored at 4-7°C for 2-7 days.</p> <p>Aliquots of reconstituted samples are stable at < -20°C for 3 months.</p>
Amino Acid Sequence	<p>QFSVLGSPGPILAMVGEDADLPCHLFPTMSAETMELRWVSSSLRQVVNVYADGKEVEDRQSAPYRG RTSILRDGITAGKAALRIHNVTASDSGKYLCYQDGDIFYEKALVELKVAALGSDLHIEVKGYEDGGIHL CRSTGWYPQPQIKWSDTKGENIPAVEAPVVADGVGLYAVAASVIMRGSSGGGVSCIIRNSLLGLEKTA SISIADPFFRSAQPWVDHHHHHH</p>
Background	<p>Human BTN3A3, also known as butyrophilin subfamily 3 member A3 and BTF3, is a Single-pass type I membrane protein which belongs to the immunoglobulin superfamily and BTN/MOG family. The butyrophilin (BTN) genes are a group of major histocompatibility complex (MHC)-associated genes that encode type I membrane proteins with 2 extracellular immunoglobulin domains and an intracellular B30.2 (PRYSPRY) domain. It can be detected in peripheral blood mononuclear cells, T-cells I, spleen and lymphocytes. BTN3A3 plays a role in T-cell responses in the adaptive immune response.</p>

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