



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Information

Description:	Recombinant human BTN2A1 (butyrophilin subfamily 2 member A1), encompassing amino acids 29-248 corresponding to the extracellular domain. This construct has a Fc domain on the C-terminus, followed by an Avi-Tag™. This protein was affinity purified.
Background:	BTN2A1 (butyrophilin subfamily 2 member A1), or butyrophilin 2A1, is a type I transmembrane protein that belongs to the Ig-superfamily and is structurally similar to the B7 family. It is involved in T cell function, functioning as an immune checkpoint. BTN2A1 is a ligand for V γ 9 ⁺ TCR γ chain (T Cell Receptors), binding to BTN3A1 and initiating a response from $\gamma\delta$ T cells to phosphoantigens. V γ 9V δ 2 T cells can fight cancer, being cytotoxic when activated by the presence of accumulated IPP (isopentenyl diphosphate) in cancer cells. BTN2A1 is expressed in cancer cells and the use of specific activating monoclonal antibodies can potentiate the response of V γ 9V δ 2 T cell-based therapies.
Species:	Human
Construct:	BTN2A1 (29-248-Fc(IgG1)-Avi)
Concentration:	1.63 mg/ml
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
Endotoxin Level:	<0.65 EU/mg
MW:	54 kDa +glycans
Glycosylation:	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
Genbank Accession:	NM_007049.5
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Applications:	Useful for cell-binding studies.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining

