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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

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CD277 (BTN3A1), Avi-Tag, His-Tag, Biotin Labeled Recombinant

Catalog: 102114
Lot: 240503

Product Information

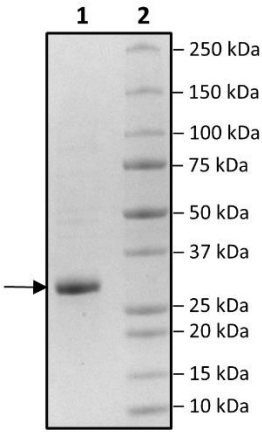
Description:	Recombinant human CD277 (cluster of differentiation 277), also known as BTN3A1, encompassing amino acids 31-254. This construct contains a C-terminal Avi-Tag™, followed by a His-Tag (6xHis). This protein was affinity purified.
Background:	CD277 (cluster of differentiation 277), also known as BTN3A (butyrophilin subfamily 3), belongs to the BTN family of transmembrane receptors. CD277 is expressed in T and B cells, monocytes, dendritic cells, and NK cells. It can bind to pAGs (phosphate antigens), stimulating Vγ9Vδ2 T cells (gamma-delta T cells), a T cell type mainly found in the peripheral blood which can target cancer cells. It is also found in many cancer types and can be used as a prognosis marker in ovarian, breast, and bladder cancer, and in pancreatic ductal adenocarcinoma. Its expression levels vary with the type of cancer, with breast cancer showing lower levels, while advanced ovarian cancer can present high protein expression. A deeper understanding of the role of CD277 in each cancer type may open new targeted therapeutic opportunities.
Species	Human
Construct:	BTN3A1 (31-254-Avi-His)-(Biotin)
Concentration:	0.64 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
MW:	27 kDa + glycans
Glycosylation:	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
Genbank Accession:	NM_007048.6
Label:	This protein is enzymatically biotinylated using Avi-Tag™ technology. Biotinylation confirmed to be ≥90%.
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 SDS-PAGE and pull-down assays.

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Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Biotin-Avidin Pulldown

