

Datasheet for ABIN7553489
CD207 Protein (AA 1-328) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	CD207
Protein Characteristics:	AA 1-328
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD207 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant CD207 Protein expressed in mammalian cells.
Sequence:	<p>MTVEKEAPDA HFTVDKQNIS LWPREPPPKS GPSLVPGKTP TVRAALICLT LVLVASVLLQ AVLYPRFMGT ISDVKTNVQL LKGRVDNIST LDSEIKKNSD GMEAAGVQIQ MVNESLGYVR SQFLKLKTSV EKANAQIQIL TRSWEEVSTL NAQIPELKSD LEKASALNTK IRALQGSLEN MSKLLKRQND ILQVVSQGWK YFKGNFYFYS LIPKTWYSAE QFCVSRNSHL TSVTSESEQE FLYKTAGGLI YWIGLTKAGM EGDWSWVDDT PFNKVQSVRF WIPGEPNNAG NNEHCGNIKA PSLQAWNDAP CDKTFLFICK RPYVPSEP</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	CD207
Alternative Name:	CD207 (CD207 Products)
Background:	C-type lectin domain family 4 member K (Langerin) (CD antigen CD207),FUNCTION: Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs), is a potent regulator of membrane superimposition and zippering. Binds to sulfated as well as mannosylated glycans, keratan sulfate (KS) and beta-glucans. Facilitates uptake of antigens and is involved in the routing and/or processing of antigen for presentation to T cells. Major receptor on primary Langerhans cells for Candida species, Saccharomyces species, and Malassezia furfur. Protects against human immunodeficiency virus-1 (HIV-1) infection. Binds to high-mannose structures present on the envelope glycoprotein which is followed by subsequent targeting of the virus to the Birbeck granules leading to its rapid degradation. {ECO:0000269 PubMed:10661407, ECO:0000269 PubMed:17334373, ECO:0000269 PubMed:20026605, ECO:0000269 PubMed:20097424}.
Molecular Weight:	36.7 kDa
UniProt:	Q9UJ71

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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