

Recombinant Human CD207 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CD207-3416H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CD207 MS Standard C13 and N15-labeled recombinant protein (NP_056532) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is expressed only in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. It is localized in the Birbeck granules, organelles present in the cytoplasm of Langerhans cells and consisting of superimposed and zippered membranes. It is a C-type lectin with mannose binding specificity, and it has been proposed that mannose binding by this protein leads to internalization of antigen into Birbeck granules and providing access to a nonclassical antigen-processing pathway. Mutations in this gene result in Birbeck granules deficiency or loss of sugar binding activity.
Molecular Mass	36.7 kDa
AA Sequence	MTVEKEAPDAHFTVDKQNISLWPREPPPKSGPSLVPGKTPTVRAALICLTLLVASVL LQAVLYPRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNES LGYVRSQFLKLKTSVEKANAQIQILTRSWEEVSTLNAQIPELKSDLEKASALNTKIRAL QGSLENMSKLLKRQNDILQVVSQGWKYFKGNFYFSLIPKWTWYSAEQFCVSRNSHL TSVTSESEQEFLYKTAGGLIYWIGLTKAGMEGDWSWVDDTPFNKVQSARFWIPGEP

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	NNAGNNEHCGNIKAPSLQAWNDAPCDKTLFICKRPYVPSEPTRTRPLEQKLISEED LAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CD207 CD207 molecule [Homo sapiens (human)]
Official Symbol	CD207
Synonyms	CD207; CD207 molecule, langerin; CD207 antigen, langerin; C-type lectin domain family 4 member K; CLEC4K; Langerin; Langerhans cell specific c-type lectin; C-type lectin domain family 4, member K;
Gene ID	50489
mRNA Refseq	NM_015717
Protein Refseq	NP_056532
MIM	604862

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UniProt ID

Q9UJ71

SDS-PAGE



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