

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

MTVEKEAPDAHFTVDKQNISLWPREPPPKSGPSLVPGKTPTVRAALICLTLVLVASVL
LQAVLYPRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNES
LGYVRSQFLKTKTSVEKANAQIQILTRSWEEVSTLNAQIPELKSLEKASALNTKIRAL
QGSLENMSKLLKRQNDILQVVSQGWKYFKGNFYFSLIPKTWYSAEQFCVSRNSHL
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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