

Recombinant Human CD207 Protein, His-tagged

Cat. No. CD207-151H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD207 molecule(CD207)(NM_015717), with a His tag, was expressed in human cells.
Species	Human
Source	Human Cells
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.
Form	Purified protein formulated in a sterile solution of TBS buffer, pH7.224, without any preservatives.
Molecular Mass	36.5 kDa
Endotoxin	Endotoxin level is < 0.1 ng/g of protein (<1EU /g)
Purity	>90% by SDS-PAGE gel and Coomassie Blue staining

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Applications Antigen, Western, ELISA and other in vitro binding or in vivo functional assays, and protein-protein interaction studies.

GENE INFORMATION

Gene Name CD207 CD207 molecule, langerin [Homo sapiens]

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

UniProt ID Q9UJ71

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