

Recombinant Human CD207 Protein, His-tagged

Cat. No. CD207-108H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CD207 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	Langerin (CD207) is a C-type lectin receptor whose expression is restricted mainly to dendritic cells in the skin including Langerhans cells in the epidermis and langerin+/CD103+ dermal dendritic cells. Langerin is found on the cell surface and within rod-shaped organelles called Birbeck granules, and its expression is required for the formation of Birbeck granules. Langerin recognizes carbohydrate motifs on the surface of pathogens, resulting in endocytosis of the pathogen into Birbeck granules, degradation of the pathogen, and antigen presentation to T cells.
Molecular Mass	~35 kDa
AA Sequence	PRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNESLGYVRS QFLKLKTSVEKANAQIQILTRSWEEVSTLNAQIPELKSDLEKASALNTKIRALQGSLEN MSKLLKRQNDILQVVSQGWKYFKGNFYFSLIPKTWYSAEQFCVSRNSHLTSVTSE SEQEFLYKTAGGLIYWIGLTKAGMEGDWSWDDTPFNKVQSVRFWIPGEPNNAGN NEHCGNIKAPSLQAWNDAPCDKTFLFICKRPYPVPSEP
Purity	Transferred into competent cells and the supernatant was purified by NI column affinity chromatography and the purity is > 85% (by SDS-PAGE).

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Notes	For research use only, not for use in diagnostic procedure.
Storage	Store at 4 centigrade short term. Aliquot and store at -20 centigrade long term. Avoid freeze-thaw cycles.
Storage Buffer	PBS, 4M Urea, pH7.4

GENE INFORMATION

Gene Name	CD207 CD207 molecule, langerin [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
UniProt ID	Q9UJ71

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