

Recombinant Full Length Human CD207 Protein

Cat. No. CD207-3015HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CD207 full-length ORF (AAH22278.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	377 amino acids
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. [provided by RefSeq, Aug 2010]
Form	Liquid
Molecular Mass	36.7 kDa
AA Sequence	MTVEKEAPDAHFTVDKQNISLWPREPPPKSGPSLVPGKTPTVRAALICLTLVLVASVL LQAVLYPRFMGTISDVKTNVQLLGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNES LGYVRSQFLKLTSEKANAQIQILTRSWEEVSTLNAQIPELKS DLEKASALNTKIRAL QGSLENMSKLLKRQNDILQVVSQGWKYFKGNFYFSLIPKTWYSAEQFCVSRNSHL

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TSVTSESEQEFLYKTAGGLIYWIGLTKAGMEGDWSWVDDTPFNKVQSARFWIPGEP
 NNAGNNEHCGNIKAPSLQAWNDAPCDKTFLEFICKRPYVPSEP

Applications
 Antibody Production
 Functional Study
 Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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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