

Recombinant Human CD207 Protein

Cat. No. CD207-0745H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Human CD207 full-length ORF (AAH22278.1) recombinant protein without tag.

Species Human

Source Wheat Germ

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
LQAVLYPRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNES
LGYVRSQFLKLTSEVEKANAQIQILTRSWEEVSTLNAQIPELKSLEKASALNTKIRAL
QGSLENMSKLLKRQNDILQVVSQGWKYFKGNFYFSLIPKTWYSAEQFCVSRNSHL
TSVTSESEQEFLYKTAGGLIYWIGLTKAGMEGDWSWVDDTPFNKVQSARFWIPGEP
NNAGNNEHCGNIKAPSLQAWNDAPCDKTFLEKRPYVPSEP

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Applications	Antibody Production Functional Study Compound Screening
Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
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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