

Recombinant Human CD207 molecule, langerin Protein, Flag tagged

Cat. No. CD207-188H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CD207 protein (Q9UJ71) (Pro 65-Pro 328) with a Flag tag at the C-terminus was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	65-328aa
Description	Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering. Binds to sulfated as well as mannosylated glycans, keratan sulfate (KS) and beta-glucans. Facilitates uptake of antigens and is involved in the routing and/or processing of antigen for presentation to T cells. Major receptor on primary Langerhans cells for Candida species, Saccharomyces species, and Malassezia furfur. Protects against human immunodeficiency virus-1 (HIV-1) infection. Binds to high-mannose structures present on the envelope glycoprotein which is followed by subsequent targeting of the virus to the Birbeck granules leading to its rapid degradation.
Tag	C-Flag
Molecular Mass	31.4 kDa

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Endotoxin	Less than 1.0 EU/μg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage Buffer	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.
Reconstitution	Reconstitute at 250 μg/mL in sterile water.

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

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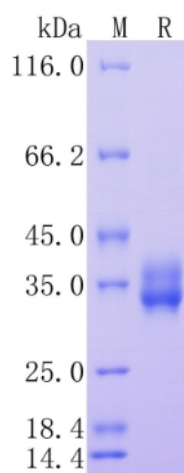
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UniProt ID

Q9UJ71

**Protein on SDS-
PAGE under
reducing (R)
condition.**



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