9051 Mira Mesa Blvd, #910094
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# CD207 Human

*CD207 Human Recombinant*
*CDA0030*

## Product Overview

| | |
|---|---|
| Name | CD207 Human |
| **Description** | |
| CD207 Human Recombinant | |
| Accession (Primary) | Q9UJ71 |
| **Synonyms** | |
| C-type lectin domain family 4 member K, CLEC4K, Langerin, CD207. | |
| **Introduction** | |
| CD207 (C-type lectin domain family 4 member K) is expressed in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. Moreover, CD207 is expressed in several other dendritic cell types including dermal CD103+ DCs and splenic CD8+ DCs. Langerin is localized in the Birbeck granules, the organelles present in the cytoplasm of Langerhans cells and comprised of superimposed and zippered membranes. CD207 is a C-type lectin with mannose binding specificity, and it has been suggested that mannose binding by the CD207 protein leads to internalization of antigen into Birbeck granules thus providing access to a nonclassical antigen-processing pathway. | |
| **Source** | |
| Escherichia Coli. | |
| **Physical Appearance** | |
| Sterile Filtered clear solution. | |
| **Formulation** | |
| CD207 protein solution (1mg/ml) containing 20mM Tris 8.0 and 10% glycerol. | |
| **Stability** | |
| Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles. | |
| **Purity** | |
| Greater than 85.0% as determined by SDS-PAGE. | |
| **Amino acid sequence** | |
| MGSSHHHHHH SSGLVPRGSH MGS PRFMGTI SDVKTNVQLL KGRVDNISTL DSEIKKNSDG MEAAGVQIQM VNESLGYVRS QFLKLKTSVE KANAQIQILT RSWEEVSTLN AQIPELKSDL EKASALNTKI RALQGSLENM SKLLKRQNDI LQVVSQGWKY FKGNFYYFSL IPKTWYSAEQ FCVSRNSHLT SVTSESEQEF LYKTAGGLIY | |

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WIGLTKAGME GDWSWVDDTP FNKVQSARFW IPGEPNNAGN NEHCGNIKAP SLQAWNDAPC DKTFLFICKR PYVPSEP.

**Precautions**

CD207 Human is for research use only and not for use in diagnostic or therapeutic procedures.

## Target Information: ( Q9UJ71 )