

# Recombinant Human CD207 Protein (65-328aa), N-His-Tagged

## Product Information

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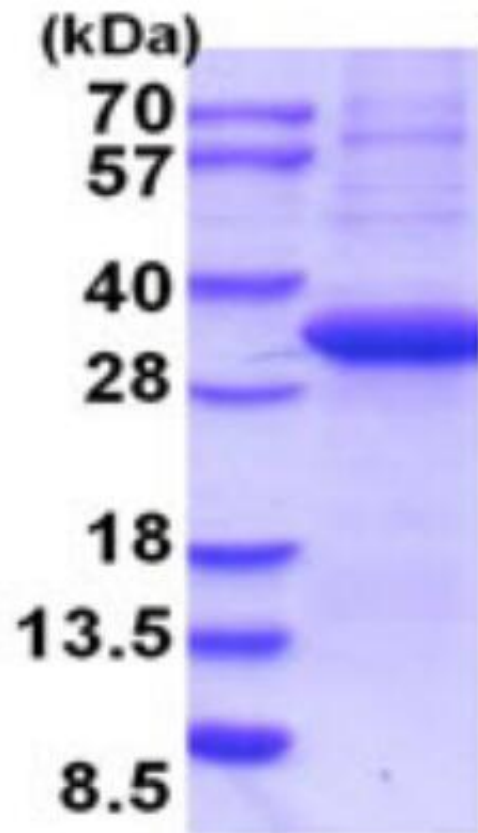
<b>Cat</b>	IMP-9360
<b>Official Symbol</b>	CD207
<b>Product Overview</b>	Recombinant human CD207, fused to His-tag at N-terminus, was expressed in <i>E. coli</i> .
<b>Description</b>	CD207 also known as C-type lectin domain family 4 member K. is expressed in Langerhans cells which are immature dendritic cells of the epidermis and mucosa. Additionally it's known by the name C-type lectin domain family 4 member K (CD antigen CD207). It is also expressed in several other dendritic cell types including dermal CD103+ DCs and splenic CD8+ DCs. Langerin 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.
<b>Expression System</b>	<i>E. coli</i>
<b>Species</b>	Human
<b>Tag</b>	N-His
<b>Form</b>	Liquid in 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol
<b>Molecular Mass</b>	32.2 kDa (287 aa)
<b>Protein length</b>	65-328
<b>AA Sequence</b>	MGSSHHHHHSSGLVPRGSHMGSPRFMGTISDVKTNVQLLKGRVDNIST LDSEIKKNSDGMEAAGVQIQMVNESLGYVRSQFLKLTSTVEKANAQIQILT RSWEEVSTLNAQIPELKSLEKASALNTKIRALQGSLENMSKLLKRQNDIL QVVSQGWKYFKGNFYFSLIPKTWYSAEQFCVSRNSHLTSTVSESESEF LYKTAGGLIYWIGLTKAGMEGDWSWVDDTPFNKVQSARFWIPGEPNNAG NNEHCGNIKAPSLQAWNDAPCDKTFLFICKRPYPVPEP
<b>Purity</b>	> 85% by SDS-PAGE
<b>Applications</b>	SDS-PAGE, Denatured
<b>Notes</b>	Note: For research use only. This product is not intended or approved for human, diagnostics or veterinary use.
<b>Storage</b>	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and

*thawing cycles.*

**Concentration**

*1 mg/mL (determined by Bradford assay)*

**SDS-PAGE**



**15% SDS-PAGE (3 $\mu$ g)**

***3  $\mu$ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.***