

**CD207, 65-328aa, Human, His tag, E.coli**

**Cat.NO.: TP01490**

---

3th Edition

**Synonyms:**C-type lectin domain family 4 member K, CLEC4K.

**Description:**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. Recombinant human CD207, fused to His-tag at N-terminus, was expressed in E.coli.

**Form:**Liquid. In 20mM Tris 8.0 containing 10% glycerol

**Molecular Weight:**32.2kDa (287aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSPRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNESL  
GYVRSQFLKLTSEKANAQILTRSWEEVSTLNAQIPELKSLEKASALNTKIRALQGSLENMSKLLKRQNDILQV  
VSQGWKYFKGNFYFSLIPKRWYSAEQFCVSRNSHLTSVTSESESEQEFLYKTAGGLIYWIGLTKAGMEGDWSWVDD  
TPFNKVQSARFWIPGEPNAGNNEHCGNIKAPSLQAWNDAPCDKTFLEICKRYPVPSEP

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.