

## Product datasheet for **TP304669**

### Langerin (CD207) (NM\_015717) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human CD207 molecule, langerin (CD207), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone  
or AA Sequence:** >RC204669 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MTVEKEAPDAHFTVDKQNISLWPREPPPKSGPSLVPGKTPTVRAALICLTLLVLVASVLLQAVLYPRFMGT  
ISDVKTNVQLLKGRVDNISTLDSEIKKNSDGMEAAGVQIQMVNESLGYVRSQFLKLKTSVEKANAQIQIL  
TRSWEEVSTLNAQIPELKSDLEKASALNTKIRALQGSLENMSKLLKRQNDILQVVSQGWKYFKGNFYFYS  
LIPKTWYSAEQFCVSRNSHLTSVTSESESEQEFLYKTAGGLIYWIGLTKAGMEGDWSWDDTPFNKVQSARF  
WIPGEPNNAGNNEHCNIGKAPSLQAWNDAPCDKTLFICKRPYPVSEP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 36.5 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_056532](#)

**Locus ID:** 50489



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UniProt ID: [Q9UJ71](#)

RefSeq Size: 1886

Cytogenetics: 2p13.3

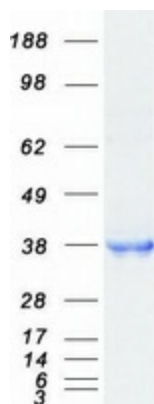
RefSeq ORF: 984

Synonyms: CLEC4K

**Summary:** 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]

**Protein Families:** Druggable Genome, Transmembrane

## Product images:



Coomassie blue staining of purified CD207 protein (Cat# TP304669). The protein was produced from HEK293T cells transfected with CD207 cDNA clone (Cat# [RC204669]) using MegaTran 2.0 (Cat# [TT210002]).