

# Product Information

## MemDX™ Membrane Protein Human CD207 (CD207 molecule) Full Length

Cat. No.: **MPC4069K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CD207 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

CD207

#### Protein Length

Full length

#### Protein Class

Receptor

#### TMD

1

#### Sequence

MTVEKEAPDAHFTVDKQNISLWPREPPPKSGPSLVPGKTPTVRAALICLT  
LVLVASVLLQAVLYPRFMGTISDVKTNVQLLKGRVDNISTLDSEIKKNSD  
GMEAAGVQIQMVNESLGYVRSQFLKLTSEKANAQIQILTRSWEEVSTL  
NAQIPELKSDLEKASALNTKIRALQGSLENMSKLLKRQNDILQVVSQGWK  
YFKGNFYFSLIPKWTWYSAEQFCVSRNSHLTSVTSESESEQEFLYKTAGGLI  
YWIGLTKAGMEGDWSWVDDTPFNKVQSVRFWIPGEPNNAGNNEHCNKA  
PSLQAWNDAPCDKTFLFICKRPYVPSEP

### Product Description

#### Expression Systems

HEK293

#### Tag

Based on specific requirements

#### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

#### Form

Liquid

### Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

### Target

#### Target Protein

CD207

#### Full Name

CD207 molecule

#### Introduction

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.

#### Alternative Names

CD207; CLEC4K; C-type lectin domain family 4 member K; CD207 antigen, langerin; CD207 molecule, langerin; Langerhans cell specific c-type lectin; CD207 molecule

#### Gene ID

[50489](#)

#### UniProt ID

[Q9UJ71](#)