

Datasheet for ABIN7319643 **CD207 Protein (His tag)**



[Go to Product page](#)

Overview

Quantity:	50 µg
Target:	CD207
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD207 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Langerin/CD207 Protein (His Tag)
Sequence:	Tyr64-Pro328(Val278Ala)
Characteristics:	Recombinant Human Langerin is produced by our Mammalian expression system and the target gene encoding Tyr64-Pro328(Val278Ala) is expressed with a 6His tag at the N-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	CD207
Alternative Name:	Langerin/CD207 (CD207 Products)
Background:	Background: Langerin (CD207) is a type II transmembrane glycoprotein which is member K of the C-type lectin domain family. Langerin is used as a marker for Langerhans cells (LCs) which represent the immature dendritic cells in the epidermis. Langerin is necessary and sufficient for

Target Details

Birbeck granule formation. Human langerin sequence contains a 43 aa cytoplasmic domain, a 21 aa transmembrane domain and a 264 aa extracellular domain (ECD) that contains a coiled-coil domain and a single C-type lectin domain. Human langerin shares 68 %, 62 %, 71 % aa identity with mouse, rat and bovine langerin ECD, respectively. Trimerization greatly increases the lectin binding affinity. Langerin internalizes endogenous proteins such as type I procollagen. Internalization by LC is thought to lead to suppression of self reactions. Langerin also mediates endocytosis of non-peptide antigens containing mannose, N-acetyl glucosamine and fucose that are expressed by mycobacteria and fungi.

Synonym: CD207 antigen, langerin, CD207, C-type lectin domain family 4 member K, C-type lectin domainfamily 4, member K

Molecular Weight: 31.5 kDa

UniProt: [Q9UJ71](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.