

Product datasheet for PH304669

Langerin (CD207) (NM_015717) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CD207 MS Standard C13 and N15-labeled recombinant protein (NP_056532)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204669
Predicted MW:	36.7 kDa
Protein Sequence:	>RC204669 protein sequence Red=Cloning site Green=Tags(s)

MTVEKEAPDAHFTVDKQNI~~SLWPREPPPKSGPSLVPGKTPTVRAALICLTLVLVASVLLQAVLYPRFMGT~~
ISDVKTNVQLLKGRVDNI~~STLDSEIKKNSDGM~~EAGVQIQMVNESLGYVRSQFLKLT~~SVEKANAQIQIL~~
TRSWEVSTLNAQIPELKS~~DLEKASALNTKIRALQGSLENMSKLLKRQNDILQVVSQGWYFKGNFYFYS~~
LIPKTWYSAEQFCVSRNSHLTSVTSESE~~QEFLYKTAGGLIYWIGLTKAGMEGDWSVDDTPFNKVQSARF~~
WIPGEPNNAGNNEHCGNIKAPSLQAWNDAPCDKTF~~LFI~~CKRPYVPSEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_056532
RefSeq Size:	1886
RefSeq ORF:	984
Synonyms:	CLEC4K
Locus ID:	50489



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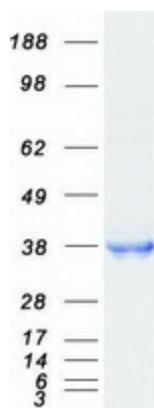
UniProt ID: [Q9UJ71](#)

Cytogenetics: 2p13.3

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]).