

Product datasheet for **SC304348**

Langerin (CD207) (NM_015717) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Langerin (CD207) (NM_015717) Human Untagged Clone
Tag:	Tag Free
Symbol:	Langerin
Synonyms:	CLEC4K
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_015717 edited
 AGAAGCACCTGTGCTCCCAGGATAAGGGTGAGCACTCAGGATGACTGTGGAGAAGGAGGC
 CCCTGATGCGCACTTCACTGTGGACAAACAGAACATCTCCCTCTGGCCCCGAGAGCCTCC
 TCCCAAGTCCGGTCCATCTCTGGTCCCGGGGAAAAACCCACAGTCCGTGCTGCATTAAT
 CTGCCTGACGCTGGTCTGGTCCGCTCCGTCTGCTGCAGGCCGTCTTTATCCCCGGTT
 TATGGGCACCATATCAGATGTAAGACCAATGTCCAGTTGCTGAAAGGTCGTGTGGACAA
 CATCAGCACCCCTGGATTCTGAAATTA AAAAGAATAGTGACGGCATGGAGGCAGCTGGCGT
 TCAGATCCAGATGGTGAATGAGAGCCTGGGTTATGTGCGTTCTCAGTTCCCTGAAGTTAAA
 AACCAAGTGTGGAGAAGGCCAACGCACAGATCCAGATCTTAACAAGAAGTTGGGAAGAAGT
 CAGTACCTTAAATGCCCAAATCCCAGAGTTAAAAAGTGATTTGGAGAAAGCCAGTGCTTT
 AAATACAAAGATCCGGGCACTCCAGGGCAGCTTGAGAAATATGAGCAAGTTGCTCAAACG
 AAAAAATGATATTCTACAGGTGGTTTCTCAAGGCTGGAAGTACTCAAGGGGAACCTCTA
 TTAATTTTCTCTCATTCCAAAGACCTGGTATAGTGCCGAGCAGTTCTGTGTGCCAGGAA
 TTCACACCTGACCTCGGTGACCTCAGAGAGTGAGCAGGAGTTTCTGTATAAACACGGGG
 GGGACTCATCTACTGGATTGGCCTGACTAAAGCAGGGATGGAAGGGGACTGGTCTGGGT
 GGATGACACGCCATTCAACAAGGTCCAAAGTGCGAGGTTCTGGATTCCAGGTGAGCCCAA
 CAATGCTGGGAACAATGAACACTGTGGCAATATAAAGGCTCCCTCACTTCAGGCCTGGAA
 TGATGCCCATGTGACAAAACGTTTCTTTTCATTTGTAAGCGACCCTATGTCCCATCAGA
 ACCGTGACAGGACAGGCTCCCAAGCTCACTCTTTGAGCTCCAACGCTTGTAAACATGAG
 GAAATGCCTCTTCTTCCCAGACTCCAGGATGACTTTGCACGTTAATTTTTCTTGCTTC
 AAAATTGTCCCACAGTGGCATTCTGGAGTCCGTCTGTCTTGGCTGGAAATCTCTGACGT
 CTTGGAGGCAGCTGGAATGGAAAGGAGAATTCAGTTAAAGTGGGAGGGTGGGTAGAGA
 GGATTTAGAAGTCCAATTGCCCTGCTAAGGAGGATCAAGACCCGTAATCCGGCACACA
 CCTGGGGTTTTCCACTCTTTCAGAGAAAACCTCAGCTTCATCACATCAAAGTTACTCCAG
 AGCAACCAAGCAATTCTCTGATATTGTCATCCAGGGCTTTTCTTGGCCAAACCCCTAG
 AATTTCCATGTCTCTGCTTAGCTGTGCTGGCAGCTAGCAGCTGGCTGTGTTGCAGTGCA
 AATAGCTCTGTTCTTGGAAATCTGCTCATGGTATGTCCCAGTGGTTTCTTCATCCACA
 TCATCTAAAGCCTGAACCCGTTCTTCTCTGTTCAAGTCAAGTGGCTGACACGGACTTGTA
 TCTCCTCAGAGCTCGGCTGGCACCCAGCCTCCCTTCTCCTTCCACTCCCTTAGTACACT
 GGAGTGCCGAGCCCTGCCTTCCACCCAGCGTCCATCCAGCCCTGTCTCACCTCTCCGG
 CACCTCCTCCTCTCTGCAATTCCTATCTTCTGTGTCTGTGCATGGGAAGCAGCCTT
 CAGTGCCTTCATGAATTCACCTCCAGCTTCTCAGAATAAATGCTGCCTGGGTCAAGG
 ACTCAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_015717 unedited
 NGTGCAGGTCGTTTTTGTATACGACTCATATAGGGCGGCCGAATTCGCCATTACGGCC
 GGGAGAAACACCTGTGCTCCCAGGATAAGGGTGAGCACTCAGGATGACTGTGGAGAAGGA
 GGCCCCGATGCGCACTTCACTGTGGACAAACAGAACATCTCCCTCTGGCCCCGAGAGCC
 TCTCCCAAGTCCGGTCCATCTCTGGTCCCGGGGAAAAACCCACAGTCCGTGCTGCATT
 AATCTGCCTGACGCTGGTCTGGTCCGCTCCGTCTGCTGCAGGCCGTCTTTATCCCCG
 GTTTATGGGCACCATATCAGATGTAAGACCAATGTCCAGTTGCTGAAAGGTCGTGTGGA
 CAACATCAGCACCTGGATTCTGAAATTA AAAAGAATAGTGACGGCATGGAGGCAGCTGG
 CGTTCAGATCCAGATGGTGAATGAGAGCCTGGGTTATGTGCGTTCTCAGTTCTGAAGTT
 AAAAACAGTGTGGAGAAGGCCAACGCACAGATCCAGATCTTAACAAGAAGTTGGGAAGA
 AGTCAGTACCTTAAATGCCCAAATCCCAGAGTTAAAAAGTGATTTGGAGAAAGCCAGTGC
 TTTAAATACAAAGATCCGGGCACTCCAGGGCAGCTTGGAGAATATGAGCAAGTTGCTCAA
 ACGACAAAATGATATTCTACAGGTGGTTTCTCAAGGCTGGAAGTACTTCAAGGGGAACCT
 CTATTACTTTTCTCATTCCAAAGACCTGGTATAGTGCCGAGCAGTTCTGTGTGCCAG
 GAATTCACACCTGACCTCGGTGACCTCAGAGAGTGAGCAGGAGTTTCTGTATAAACAGC
 GGGGGACTCATCTACTGNNATGCCCTGACTAAAGCAGG

Restriction Sites: Please inquire

ACCN:	NM_015717
Insert Size:	1900 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_015717.1</u> , <u>NP_056532.1</u>
RefSeq Size:	1999 bp
RefSeq ORF:	987 bp
Locus ID:	50489
UniProt ID:	<u>Q9UJ71</u>
Cytogenetics:	2p13.3
Protein Families:	Druggable Genome, Transmembrane
Gene 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]