

Product datasheet for MC213246

Cd207 (NM_144943) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd207 (NM_144943) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Cd207
Synonyms:	Langerin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC213246 representing NM_144943 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGAGGCAGAGATGAAGGAGGAGGCTCCGAAGCGCACTTCACAGTGGACAAACAGAACATCTCTC
TCTGGCCTCGAGAGCCTCCTCCAAGCAAGATCTGTCTCCAGTTCTAAGGAAACCTCTCTGTATCTGCGT
GGCCTTCACCTGCCTGGCATTGGTGTGGTCACCTCCATTGTGCTTCAGGCTGTTTTCTATCCTAGGTTG
ATGGGCAAAATATTGGATGTGAAGAGTGATGCCAGATGTTGAAAGGTCGTGTGGACAACATCAGCACCC
TGGGTTCTGATCTTAAGACTGAAAGAGGTCGTGTGGACGATGCTGAGGTTGAGATGCAGATAGTGAACAC
CACCCTCAAGAGGTGCGTTCTCAGATCCTGTCTTTGAAACCAGCATGAAGATAGCCAATGATCAGCTC
CAGATATTAACAATGAGCTGGGGAGAGGTTGACAGTCTCAGTGCCAAAATCCCAGAACTGAAAAGAGATC
TGGATAAAGCCAGCGCCTTGAACACAAAGGTCCAAGGACTACAGAACAGCTTGGAGAATGTCAACAAGCT
GCTCAACAACAGAGTGACATTCTGGAGATGGTGGCTCGAGGCTGGAAGTATTTCTCGGGGAACCTCTAT
TACTTTTCACGCACCCCAAGACCTGGTACAGCGCAGAGCAGTTCTGTATTTCTAGAAAAGCTCACCTGA
CCTCAGTGTCTCAGAATCGGAACAAAAGTTTCTCTACAAGGCAGCAGATGGAATTCACACTGGATTGG
ACTTACCAAGCAGGGAGCGAAGGGGACTGGTACTGGTGGACCAGACATCATTCACAAGGAGCAAAGT
AGGAGGTTCTGGATTCCAGGTGAACCAACAACGAGGAACAATGAGCACTGTGCAATATCAGGGTGT
CTGCCCTGAAGTCTGGAACGATGGTCCCTGTGACAATACATTTCTTTTCATCTGCAAGAGGCCCTACGT
CCAAACAAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja1833_g05.zip



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Restriction Sites:	Sgfl-MluI
ACCN:	NM_144943
Insert Size:	996 bp
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info</p>
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_144943.3 , NP_659192.2
RefSeq Size:	1530 bp
RefSeq ORF:	996 bp
Locus ID:	246278
UniProt ID:	Q8VBX4
Cytogenetics:	6 C3
Gene Summary:	<p>Calcium-dependent lectin displaying mannose-binding specificity. Induces the formation of Birbeck granules (BGs); is a potent regulator of membrane superimposition and zippering. Binds to sulfated as well as mannosylated glycans, keratan sulfate (KS) and beta-glucans. Facilitates uptake of antigens and is involved in the routing and/or processing of antigen for presentation to T cells.[UniProtKB/Swiss-Prot Function]</p>