

Product datasheet for **MG227534**

Cd207 (NM_144943) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd207 (NM_144943) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Cd207
Synonyms:	Langerin
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227534 representing NM_144943 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCCAGAGGCAGAGATGAAGGAGGAGGCTCCCGAAGCGCACTTCACAGTGGACAAACAGAACATCTCTC
TCTGGCCTCGAGAGCCTCCTCCAAGCAAGATCTGTCTCCAGTTCTAAGGAAACCTCTGTATCTGCGT
GGCCTTCACTGCCTGGCATTGGTGTGGTCCACCTCCATTGTGCTTCAGGCTGTTTTCTATCCTAGGTTG
ATGGGCAAAATATTGGATGTGAAGAGTGATGCCAGATGTTGAAAGTCTGTGGACAACATCAGCACCC
TGGTTCTGATCTTAAGACTGAAAGAGGTCGTGTGGACGATGCTGAGGTTGAGATGCAGATAGTGAACAC
CACCTCAAGAGGTCGTTCTCAGATCCTGTCTTTGAAACCAGCATGAAGATAGCCAATGATCAGCTC
CAGATATTAACAATGAGCTGGGAGAGGTTGACAGTCTCAGTGCCAAAATCCCAGAACTGAAAAGAGATC
TGGATAAAGCCAGCGCCTTGAACACAAAGGTCCAAGGACTACAGAACAGCTTGGAGAATGTCAACAAGCT
GCTCAACAACAGAGTGACATTCTGGAGATGGTGGCTCGAGGCTGGAAGTATTTCTCGGGAACTTCTAT
TACTTTTACGCACCCCAAGACCTGGTACAGCGCAGAGCAGTTCTGTATTTCTAGAAAAGCTCACCTGA
CCTCAGTGTCTCAGAATCGGAACAAAAGTTTCTCTACAAGGCAGCAGATGGAATTCACACTGGATTGG
ACTTACCAAGCAGGGAGCGAAGGGGACTGGTACTGGGTGGACCAGACATCATTAACAAGGAGCAAAGT
AGGAGTTCTGGATTCCAGGTGAACCAACAACGCAGGGAACAATGAGCACTGTGCCAATATCAGGTTGT
CTGCCCTGAAGTCTGGAACGATGGTCCCTGTGACAATACATTTCTTTTCATCTGCAAGAGGCCCTACGT
CCAAACAACCTGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227534 representing NM_144943
 Red=Cloning site Green=Tags(s)

MPEAEMKEEAEAHFTVDKQNISLWPREPPPKQDLSPVLRKPLCICVAFTCLALVLVTSIVLQAVFYPRL
 MGKILDVKSDAQMLKGRVDNISTLGSDLKTERGRVDDAEVQMQUIVNTTLKRVSQILSLETSMKIANDQL
 QILTMSWGEVDSLAKIPELKRDLDKASALNTKVQGLQNSLENVNKLKQQSDILEMVARGWKYFSGNFY
 YFSRTPKTWYSAEQFCISRKAHLTSVSSSESEQKFLYKAADGIPHWIGLTKAGSEGDWYWDQTSFNKEQS
 RRFWIPGEPNNAAGNNEHCANIRVSALKCWNDGPCDNTFLFICKRPYVQTTE

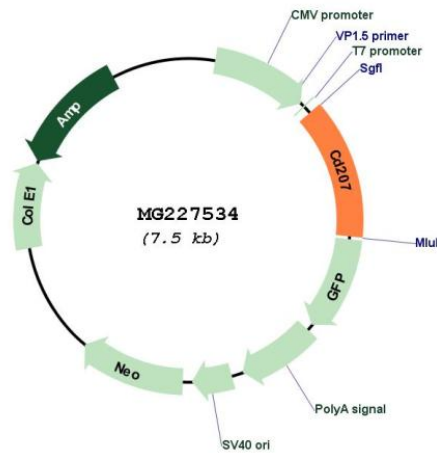
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_144943

ORF Size: 993 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>
OTI Annotation:	<p>This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.</p>
Components:	<p>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).</p>
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:	<p>NM_144943.3, NP_659192.2</p>
RefSeq Size:	<p>1530 bp</p>
RefSeq ORF:	<p>996 bp</p>
Locus ID:	<p>246278</p>
UniProt ID:	<p>Q8VBX4</p>
Cytogenetics:	<p>6 C3</p>
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>