

Product datasheet for **MR204815**

Clec11a (NM_009131) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clec11a (NM_009131) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clec11a
Synonyms:	AW457320; Clecsf3; Scgf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204815 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCAGGCAGCCTGGCTCTTGGGGGCCCTAGTGGTCCCTCAGCTTTTGGTTCATGGAGCCCGAG
 GTCCTGGGAGGGAGTGGGAGGGAGGCTGGGAGGTGCCCTGGAGGAGGAGAGAGCGGGAGTCACAGAT
 GTTGAAGAATCTCCAGGAGGCCCTAGGGCTGCCACTGGGGTGGGAAATGAGGATAATCTTGCTGAAAAC
 CCTGAAGACAAAGAGGTCTGGGAGACCACAGAGACTCAAGGGGAAGAAGAGGAAGAGGAAATCACCACAG
 CACCTTCTTAGTCCCAACCCCTTCCCGAGCCCTTCTCCACACCAGAGGACACTGTCACTTACATCTT
 GGGCCGCTTGGCCAGCCTCGATGCAGGCCACACCAATTGCACGTCCGTCTGCACGTTTTGGACACCCGT
 GTGGTTGAGCTGACCCAGGGGCTGCGGCAGCTGCGGGATGCTGCGAGTGACACCCGCGACTCAGTGCAAG
 CCCTGAAGGAGGTCCAGGACCGTCTGAGCAGGAGCACGGCCGCTTGGAGGGCTGCCTGAAGGGCCTGCG
 CCTTGGCCACAAGTGCTTCTGCTCTCGCGAGACTTCGAGACCCAGGCGGCGCGCAGGCGCGGTGCAAG
 GCGCGAGGTGGGAGCTTAGCACAGCCTGCGGACCGCCAGCAAATGGATGCGCTAAGCCGGTACTTACGCG
 CCGCTCTCGCCCCCTACAAGTGGCCGGTGTGGCTGGGAGTGCACGATCGGCGCTCCGAGGGGCTCTACCT
 TTTCGAGAACGGCCAGCGCGTGTCTTCTTGCCTGGCACCAGCGCATTACGCTGGAGTCCGGCGCCAG
 CCTAGTGGGCAACACATCCACTCAGCCCGGATCAGCCCAATGGCGGCGTCTTGAGAAGTGCCTGGCCC
 AGGCCTCAGACGCGTTCTTGGTGGGACCATGACTGTGAGCGGCGCCTCTACTTCGTCTGCGAGTTCCT
 CTTC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >MR204815 protein sequence
 Red=Cloning site Green=Tags(s)

MQAAWLLGALVVPQLLSFGHGARGPGREWEGWGGALEEERERESQMLKNLQEALGLPTGVGNEDNLAEN
 PEDKEVWETTETQGEIEEITAPSSSPNPFPSPTPEDTVTYILGRLASLDAGLHQLHVRLHVLDT
 VVELTQGLRQLRDAASDTRDSVQALKEVDRAEQEHGRLEGCKLGLRLGHKCFLLSRDFETQAAAQARCK
 ARGGSLAQPADRQMDALSRYLRAALAPYNWPVWLVHDDRSEGLYLFENGQRVSFFAWHRAF SLESGAQ
 PSAATHPLSPDQPNGGVLENCVAQASDDGSWWDHDCERRLYFVCEFPF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_009131

ORF Size: 984 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

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_009131.3](#), [NP_033157.1](#)

RefSeq Size: 1970 bp

RefSeq ORF: 987 bp

Locus ID: 20256

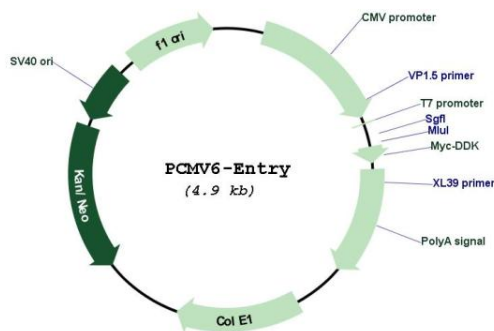
UniProt ID: [O88200](#)

Cytogenetics: 7 B3

MW: 36.5 kDa

Gene Summary: Promotes osteogenesis by stimulating the differentiation of mesenchymal progenitors into mature osteoblasts. Important for repair and maintenance of adult bone.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR204815