

Product datasheet for MR201951

Cd164 (NM_016898) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cd164 (NM_016898) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cd164
Synonyms: A24; A115; AA589639; AW540279; MGC-24; MSSP
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR201951 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTCGGGCTCCTCCCGCCGACTGCTCTGGGCCGCCACCTGCCTCGCCGTGCTCTGCGTCTCGGCCGCGC
 AGCCCAACATCACCACCCTGGTCCCAACGTGACCGAGGTGCCGACCACGACCACCAAAGTGGTCCCGAC
 GACGCAAATGCCACCGTGTACCAGAACTGTGCGAGCTTCAACAGCTGTGTTTCTGTGTTAATGCC
 ACCTTTACTAATAATATTACCTGCTTTTGGTTACATTGCCAAGAAGCAAATAAGACCTATTGTGCAATG
 AACCATTAAGTAATTGTTCCAGGTGAACCGCACTGACTTGTGTTCTGTAATACCTCCTACCACTCCAGT
 GCCAACCAATTCTACAGCTAAGCCACAACCTCGGCCTTCCTCTCCTACACCTACTCCCTCAGTTGTGACA
 TCAGCAGGGACAACAAATACCACACTGACTCCAACCTCCCAGCCTGAGCGGAAGTCGACCTTTGATGCAG
 CCAGCTTCATTGGAGGGATCGTCCTTGTCTTGGGTGTGCAAGCTGTAATTTTCTTCTCTATAAGTTCTG
 CAAATCTAAGAACGAAATTACCATACTCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201951 protein sequence
 Red=Cloning site Green=Tags(s)

MSGSSRLLWAATCLAVLCVSAAPNITLAPNVTEVPTTTTKVPTTQMPTVLPETCASFNCSVCVNA
 TFTNNITCFWLHCQEANKTYCANEPLSNCSQVNRDLCSVIPPTTPVPTNSTAKPTTRPSSPTPTPSVVT
 SAGTTNTLTPTSQPERKSTFDAAASFIGGIVLVLGVQAVIFFLYKFCCKSKERNYHTL

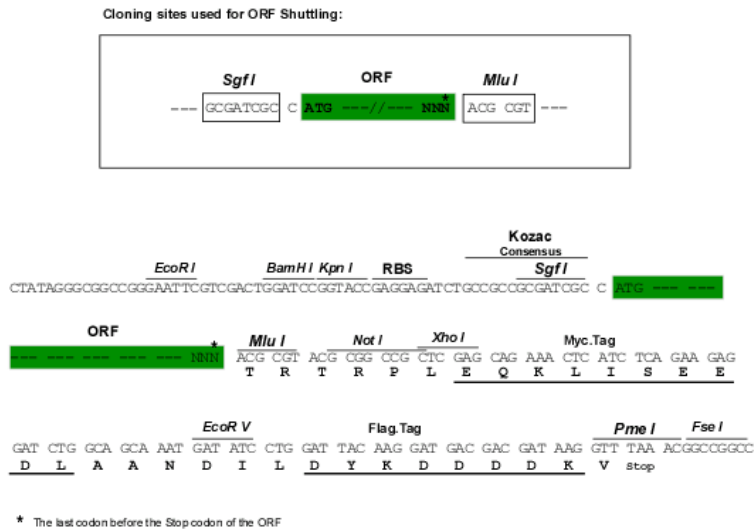
TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_016898

ORF Size: 594 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.

RefSeq: [NM_016898.2](#), [NP_058594.1](#)

RefSeq Size: 2830 bp

RefSeq ORF: 594 bp

Locus ID: 53599

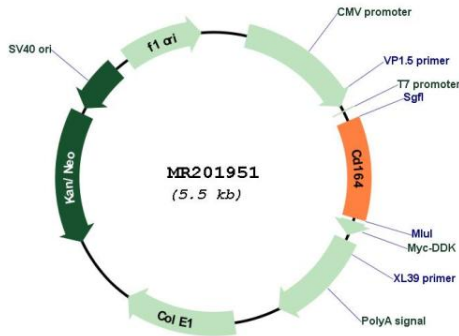
UniProt ID: [Q9R0L9](#)

Cytogenetics: 10 22.46 cM

MW: 21.1 kDa

Gene Summary: Sialomucin that may play a key role in hematopoiesis. May be involved in cell adhesion (By similarity). Promotes myogenesis by enhancing CXCR4-dependent cell motility. Positively regulates myoblast migration and promotes myoblast fusion into myotubes. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201951