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Product datasheet for MR219013

Cd55b (NM_007827) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Cd55b
Synonyms:	AI323748; Daf; Daf-T; Daf-TM; Daf2; TM-DA; TM-DAF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR219013 representing NM_007827
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCCCCGCGCAGGCGCCGGGGACTTGGTCATCACCACCACTGCTGCTGGTGCTGTCACTATCGCTGG
TGCTGTTGTTCCAAACTGTGTGCGGAGACTGCGGCCCACCTCCAGACATTCCTAATGCCAGGCCAATCTT
GGGCAGACACTCCAAGTTTGCTGAGCAAAGCAAAGTGGCATACTCGTGTAATAACGGCTTTAAACAAGTT
CCAGACAAGTCAAACATAGTTGTCTGTCTTGAAAATGGCCAATGGTCGAGCCACGAAACATTCTGTGAGA
AATCATGTGATACTCCAGAAAGACTGAGTTTTGCATCCCTCAAAAAAGAGTACTTCAACATGAATTTTTT
CCCAGTTGGTACTATTGTGGAATATGAGTGTCGGCCAGGATTTCGAAAACAACCTTCACTCTCAGGAAAA
TCAACTTGCCTTGAGGATTTAGTATGGTCTCCAGTTGCTCAGTTTTGTAAAAAAAAATCATGCCCTAATC
CTAAAGATCTGGATAATGGTCACATCAACATACCAACCGGCATATTATTCGGTTCAGAAATAAACTTCTC
ATGCAACCCAGGGTACAGGCTAGTCGGTATCACCTCTATTTTATGTACTATTATAGGAAATACTGTTGAT
TGGGATGATGAATTTCCAGTGTGCACAGAAATATTTTGTCCAGACCCACCAAAAATCAACAATGGAATAA
TGCGAGGGGAAAGCGATTCTTATAAATATAGCCAGGTGGTCATTTATTCATGTGACAAAGGCTTCATCCT
GTTTGGAAATTCTACCATATATTGTACTGTGAGCAAGTCTGATGTAGGACAATGGAGCAGTCCACCACCC
CAGTGTATAGAGGAATCTAAGGTCCCAATTAAGAAACCAGTAGTTAATGTTCCAAGTACAGGAATCCCCT
CAACGCCTCAGAAACCCACAACAGAAAGTGTTCCAAATCCAGGAGACCAACCAACTCCTCAGAAACCTTC
CACAGTTAAAGTTCCAGCAACCCAGCATGAACCTGATACCACGACAAGAACATCTACAGACAAAGGAGAG
TCTAACTCAGGTGGTGACCGTTATATATATGGATTTGTTGCTGTTATTGCAATGATTGATAGCCTAATTA
TAGTCAAAACTCTTTGGACTATTTTAAGTCCAAACAGAAGGTCTGACTTTCAAGGAAAGGAGAGGAAGGA
TGTCTCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>MR219013 representing NM_007827
Red=Cloning site Green=Tags(s)

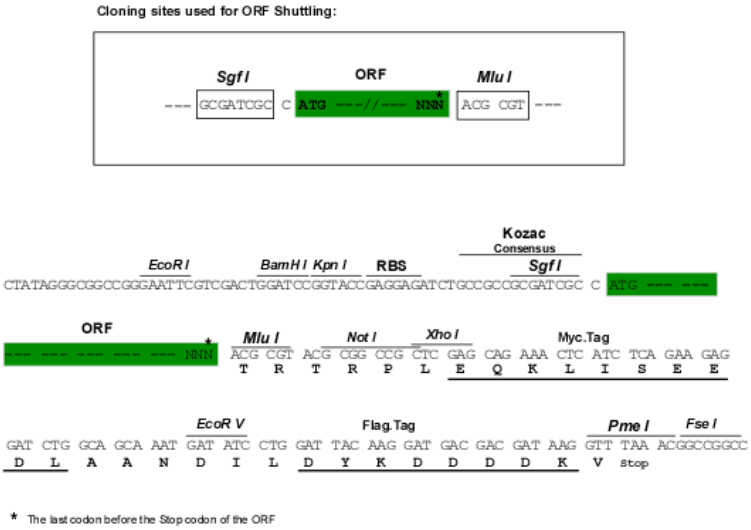
MIPAQAPGTWSSPPLLLVLSLSLVLLFQTVCGDCGPPPDIPNARPILGRHSKFAEQSKVAYSCNNGFKQV
PDKSNIVVCLENGQWSSHETFCEKSCDTPERLSFASLKKEYFNMNFFPVGTIVEYECRPGFRKQPSLSGK
STCLEDLVWSPVAQFCKKKSCPNPKDLDNGHINIPTGILFGSEINFSCNPGYRLVGITSILCTIIGNTVD
WDDEFPVCTEIFCPDPPKINNGIMRGESDSYKYSQVVIYSCDKGFILFGNSTIYCTVSKSDVGQWSSPPP
QCIEESKVPIKKPVVNVPSTGIPSTPQKPTTESVPNPGDQPTPQKPSTVKVPATQHEPDTTTRTSTDKGE
SNSGGDRYIYGFVAVIAMIDSLIIVKTLWTILSPNRRSDFQGKERKDVSK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9088_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_007827

ORF Size: 1200 bp

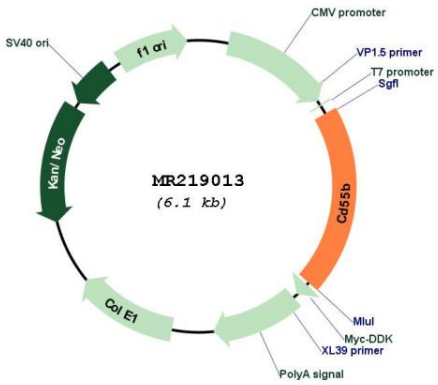
OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially 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_007827.3, NP_031853.2
RefSeq Size:	1368 bp
RefSeq ORF:	1203 bp
Locus ID:	13137
UniProt ID:	Q61476
Cytogenetics:	1 56.89 cM
MW:	43.9 kDa
Gene Summary:	This gene encodes an inhibitor of both the classical and the alternative pathways of complement activation. This gene is located adjacent to a closely related gene on chromosome 1 and preferentially expressed in the spleen and testis. Alternative splicing of this gene results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Dec 2015]

Product images:



Circular map for MR219013