

Product datasheet for **MR209314**

Cd96 (NM_032465) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cd96 (NM_032465) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cd96
Synonyms:	1700109I12Rik; Tactile
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR209314 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGGAGAAAATGGACATATTGTGTTGTTTACACCATCATCCAGATACAGTTTTTCAGGGGAGTGTGGG
 AAGAGCTATTCAATGTTGGAGATGACGTGTATGCTCTACCTGGTTCTGACATCAACTTGACCTGCCAAAC
 AAAGGAGAAAAAATTCTTGGTACAGATGCAAGTGTCCAAGGTCACAGATAAGAATGACATGATTGCTCTT
 TATCATCCCCAATATGGCCTCTACTGTGGGCAGGAGCATGCCTGTGAGTCACAAGTGGTGCCACAGAAA
 CTGAGAAGGGTGAACAAATGGACTCTGTACTTAAGGAATATCTCTTCTGCCCTGGGTGAAAAGTATGA
 GTGCATCTTTACTCTGTATCCAGAAGGCATCAAGACTACAGTCTACAACCTCATTGTGGAACCTATACA
 CAAGATGAACACAATAACAATAGAAAATAGAGACAAATCGGACTCTGAAAATACCATGCTTTCAAATA
 CCTCTCAGAAAATCCACCTAGGTTACCTTTTATGTTGGTGGAGAAAAGTGGAGTGGAGAAGTTCT
 CTTCAACCACCATCACCAGTCAACAATCCACATCATTTAAAGGCAGAATCAGGCTGGGTGGAGACTAT
 AGACTCCACCTCTCCCCAGTCCAAATCCAAGACGATGGCAGGACATTCTCTTGCCATCTGACTGTCAATC
 CTCTCAAAGCCTGGAAGATGTCCACCACAGTCAAGGTTTTTGTAAACCAGAAAATCCTCATGACTGTGGA
 AAACAGCACCATGGATGTCTTAGGAGAGAGATTTTACCTGCCTACTGAAGAATGTGTTCCCAAGGCA
 AATATCACCTGGTTTATAGACGGAAGATTTCTTCAAGGCAACGAAGAAGGAATATACATTACAAATGAAG
 AGAAGAATTGCAGTAGCGGATTTTGGAACTGAAGTCAAGTTTAAACAAGGATGCACAGTGGACCATCCCA
 ATCAAACAATGACAGCTTGGTGTATGGCTCTGTCTCCAGGCCCCAGAAAATAAATGTGGAATACTTCA
 TCACAACCCATCACGGTTTCTTTGATTGCGGTATAGCCCCAACGAAACATCTACCCACTGTGACAGTT
 CTACCTGGGTACACAACCTTTTTCAGATGCTGGAGTATCTCTACAGGGTATCTAGCTACACCTTCAGT
 GACAATTGTAGATGAAAATGGGTTGACACCAGATGCAACTCCTCAAACCAGCAATTCAGCATGACTACT
 AAAGATGGCAACTATTTGGAAGCCTCCAGTGGGACAGATGCCAAGAATCCTCAAGAGCTGCTGCTTCT
 CTAAGAAGTGGATCTTGGCCTTTTCTTTCACTTCTCTCCAGAATGGCACTCACTGCCTGGTACCTCCAC
 TGGACCCCAAGAACCAGACTCCCAGTTTCATGGATACCCAGTGAAGTACACACTTCAGCCCCTTTGGAC
 GCCAGCTTAGCTCCTCATGATACCATCATCAGTACAACCACAGAATTTCAAATGTCTCACAACGTCAA
 ATGGAACACTAAAATTGACCATGGACCTATCACCAGTATCATAGTTAATCAACCAGTGTGCAATGTC
 CTGGCCTGTGCTGTGCGGGCTTTGCTCTTTTCTGCACACTATTGTTTGGGCTTGGAGTAAAGAAAATGG
 TATCGGTATCAAATGAAATCATGGAGAGACCCACCTTTCAAGCCACCACCACCTCCCATCAAGTACA
 CGTATATCAAGAACCATTGGATGCGACCTGTGTGTCATGAGATGGAGTCTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209314 protein sequence
 Red=Cloning site Green=Tags(s)

MGRKWTYCVVYTIQIQFFRGVWEELFNVGDDVYALPGSDINLTCQTKEKNFLVQMOWSKVTDKNDMIAL
 YHPQYGLYCGQEHACESQVAATETEKGVNWTLYLRNISSALGGKYECIFTLYPEGIKTTVYNLIVEPYT
 QDEHNYTIEIETNRTLEIPCFQNTSSEIPRFTFSWLVEKDGVEEVLFTHHHHVNNSTSFKGRIRLGGDY
 RLHLSPVQIQDDGRTFSCHLTVNPLKAWKMSTTVKVFAPKPEILMTVENSTMDVLGERVFTCLLKNVFPKA
 NITWIFIDGRFLQNEEGIYITNEEKNCSSGFWELKSVLTRMHSGPSQSNNMTAWCMALSPGPRNKMWNST
 SQPITVSVFDSVIAPT KHLPTVTGSLGTQPFSDAGVSPTGYLATPSVTIVDENGTPDATPQTSNSMNT
 KDGNYLEASSGTDANKSSRAAASSKSGSWPFPFTSPPEWHSLPGTSTGPQEPDSPVSWIPSEVHTSAPLD
 ASLAPHDTIISTTTEFPNVLTTANGTTKIDHGPITSIIIVNQPSDAMSWPVLVAALLFFCTLLFGLGVRKW
 YRYQNEIMERPPPFKPPPPPIKYTYIQEPIGCDLCCHEMEVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_032465

ORF Size: 1809 bp

OTI Disclaimer: 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.

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).

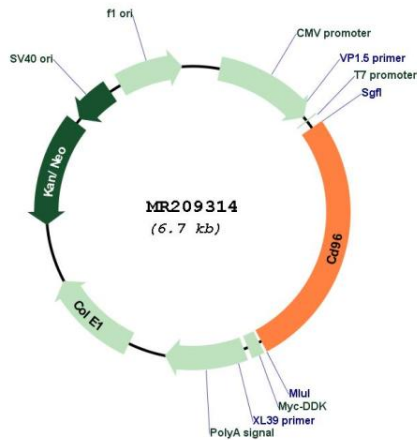
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
 3. Close the tube and incubate for 10 minutes at room temperature.
 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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_032465.1](#), [NM_032465.2](#), [NP_115854.1](#)

RefSeq Size: 2203 bp
 RefSeq ORF: 1809 bp
 Locus ID: 84544
 UniProt ID: [Q3U0X8](#)
 Cytogenetics: 16 B5
 MW: 67.1 kDa

Gene Summary: May be involved in adhesive interactions of activated T and NK cells during the late phase of the immune response. Promotes NK cell-target adhesion by interacting with PVR present on target cells. May function at a time after T and NK cells have penetrated the endothelium using integrins and selectins, when they are actively engaging diseased cells and moving within areas of inflammation (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209314