

Product datasheet for MR220312

Dcakd (NM_026551) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Dcakd (NM_026551) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Dcakd |
| Synonyms: | 3010024O21Rik; 6720485C15Rik; A1849483 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR220312 representing NM_026551 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTGGTGGGGCTGACGGGAGGCATCGCCTCAGGCAAGAGCTCCGTCATCCAGGTATTCCAACAGC
TGGGCTGTGCTGTAATCGACGTGGACGTCATTGCGCGGCACGTTGTCCAGCCAGGGTATCCTGCCACCG
GCGTATAGTAGAGGCCTTTGGCACTGAAGTCTTGCTGGAGAATGGCGACATCGACCGCAAGGTCCTCGGA
GACCTGATCTTCAACCAGCCTGACCGTCGCGAGCTGCTCAACTCCATTACCCACCCTGAGATCCGCAAGG
AAATGATGAAGGAGACCTTCAAGTACTTCTCCGAGGCTACCGATACGTGATTCTGGACATCCCCCTCT
GTTTGAGACCAAGAAGCTGCTCAAGTATATGAAGCACACAGTGGTAGTGTACTGTGACCGTGATACACAG
CTGGCGCGGCTGATGAAGCGGAACAACCTGAACCGGGAGGATGCAGAGGCGAGGATCAACGCCACAGCTGC
CCCTGAAGGACAAGGCCCGCATGGCCAATCACGTTCTGGACAACCTCGGGCGAGTGGAGCCTCACCAGACG
CCAGGCCATCCTCCTGCACGCCAAGCTGGAACGCTCCATGGAGTATCTGCCGCTGCGGCTTGGGTTCTCTG
ACGGGCTCGCAGGCATCGCCAGTCTCCTCTACCTGCTCACCCGTTACCTCCTCCCTTCCCC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR220312 representing NM_026551
Red=Cloning site Green=Tags(s)

MFLVGLTGGIASGKSSVIQVFQQLGCAVIDVDVIARHVVQPGYPAHRRIVEAFGTEVLENGDIDRKVLG
 DLIFNQDDRQLNSITHPEIRKEMMKETFKEYFLRGYRYVILDIPLL FETKLLKYMKHTVVVYCDRDTQ
 LARLMKRNLNREDAEARINAQLPLKDKARMANHVLDNSGEWSL TRRQAILLHAKLERSMEYLPRLRGL
 TGLAGIASLLYLLTRYLLPSP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9024_g04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_026551

ORF Size: 693 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_026551.3](#), [NP_080827.2](#)

RefSeq Size: 1714 bp

RefSeq ORF: 696 bp

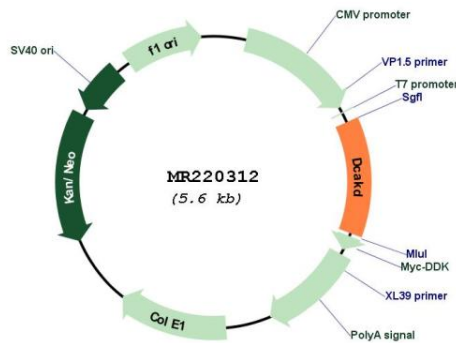
Locus ID: 68087

UniProt ID: [Q8BHC4](#)

Cytogenetics: 11 E1

MW: 26.9 kDa

Product images:



Circular map for MR220312