

Product datasheet for **MR220294**

Ghdc (NM_031871) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ghdc (NM_031871) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ghdc
Synonyms:	D11Lgp1e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220294 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTTCTGCTGTGGCTGCTGCTGCTGCTCCTCCTCGTGCCCTGCTGGCCATACTCTGGCAGCAGA
 GGGCTCGGGGTGCCAGGCCATGCTGGCTGATCAGTCTCCAACACCGAGTGGCCTGGGGGATGCTGGGCTG
 GGCAGCCGCTGGCAGCAGTGGAGACTAGACCGGAGCACGTTGAATGTGGCCAGAGCCAGCAGCAGGCC
 CTCATGTGGTGTCTGAAGAAAGCCAGGGCTCCTGCTGTCTCCCAGGGAGGACACAGATATGAGAACCT
 TCCGGAATCATCTTCCACTGACCCAAACCAGCCACACTCAGGAGCAAGAAAGTGAAGAGACGCTCCCATC
 CCCTGCCTCCCCCAGTACCATGGAGACGCCTCTTTCAGGCCACCCTGCTGGGTCTAATAACCCCTAAAC
 AAGGCCTACCCAGAAGCGCTGGCTCCAGGAAGTACTGCCTGTGTGACCCCTACATCGCCATGGCCCTGCT
 CTGTCCCCTGGCTTGGGCAGCCCTGGCCGGGTAAAGCCCGATGGAGCCAAGGACCCCGGACCCTGCT
 GCTGGAGGCATTGATATCCCGGGGCTGAGGGTACTTGAGGCAAGGACTGCAGTGGAGCTCCTGGATGTC
 TTTGTGGGCTTGGAGGCTGATGGTGAAGAACTGGCTGAGGCCATAGCAGCTGGGATTCTGGGAACGCTTC
 TCCCAAACGAGCCGCTGAGCTGAAGGAGGCCCTAGAGCAGGGACCCCGAGGATTGGCCCGCCGGCTCTG
 GCCAAAGCTGCAGGTGGTGGTACTCTGGACTCAGGAGGACAGGCAGAAGCTGTGGCTGCCCTTAGGGTC
 CTGTGGTGCCAAGGGCTAGCCTTCTTCTCCTGCTTATGCTGCCTCAGGAGGAGTGGTGGCCCTAAACC
 TGTGGCCAGAGCGACCCCAAGGATCCTATCTTCTGCCCTGGAGTCCCCTTTATTGAGCTGCTTCCAAT
 CAAGGAAGGAACCAAGAGGAGGCAGCCTCCACTCTCCTCTACTGATGCCAAAGGGAGAAGGAGTAT
 GAGTTGGTGTGACGAACACACCAGCCTGACCAGGTGCCGCCTGGGTGACGTGGTCCAGGTGGTTGGTA
 CCTACAATCAGTGTCTGTGGTCAGGTTACCTGCAGGCTGGGGCAAACCCTGAATGTTTCGAGGAGAAGT
 TACTGATGAGACTGTATTCTCTGTGGCCCTGGCCAAGCAGTGGGGCAGTGGCCAGGGGCAAGCTGTTG
 GACCATGTCTGTGTGGAGAGCAGAGTTCTGGACTCCTGTGAGGGTTCTGCCCCACACTACGAAGTGTG
 TAGAGCTGAGGGGTTGAGGAATCTGTGCGGAGGAAAATCGAGACAAGCTTGACAAGTGCCTGCAGGAAGC
 CTCCGCACAGTACAAGTCTTGGCATTCCGGGGCAGTGTGGTCTGCCAAAGTCCATCTGGTGAGGCCA
 GGGAGCTTCAGGGTTCTCCGGGAAGCACTGGCAGCCTTCTCCTCCTCCTGCCGCCCTCTGAAATGC
 CTCGGGTCATCAGGCTCAGGCACCTGGCCAGCTCCTGCAGAAGAGGGTGATATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220294 protein sequence
 Red=Cloning site Green=Tags(s)

MLLLWLLLLLLLLVPLLAILWQQRARGARPCWLISLQHRVAWGMLGWAAWQQWRLDRSTLNVGQSQQQA
 LMWCLKKAQGSCCLPREDTDMRTFRNHLPLTQTSHTQEQESEETLPSPASPQYHGDASLQATLLGLITLN
 KAYPEALAPGSTACVPTSPWPCSVPLGHALGRVSPDGAKDPRTLLLEALISPLRVLEARTAVELLDV
 FVGLEADGEELAEIAAGILGTLKRAAELKEALEQGPRLARRLWPKLQVVVTLDSGGQAEVAALRV
 LWCQGLAFFSPAYAASGGVVALNLWPERPQGSYLLPPGVPIELLPIKEGTQEEAASTLLLTDAREKEY
 ELVLTNHTSLTRCRLGDVVQVVGTYNQCPVVRFTCRLGQTLNVRGEVTDVTFVSVALAQAVGQWPGAKLL
 DHVCVESRVLDSCGSAHYEVFVELRGLRNLSEENRDKLDNCLQEASAQYKSLRFRGVSVPKAVHLVRP
 GSRFVLRREALAAFSSSSCRPPMPRVIRLRHLAQLLQKRVIS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_031871

ORF Size: 1599 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_031871.1](#), [NP_114077.1](#)

RefSeq Size: 2162 bp

RefSeq ORF: 1599 bp

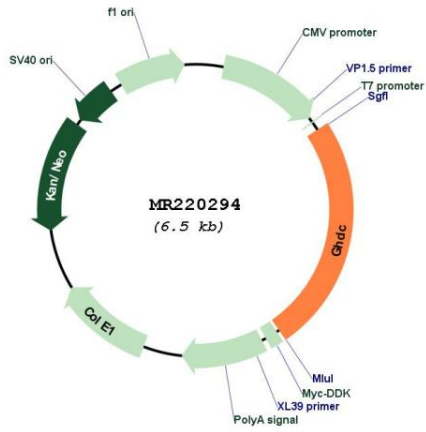
Locus ID: 80860

UniProt ID: [Q99J23](#)

Cytogenetics: 11 63.6 cM

MW: 58.5 kDa

Product images:



Circular map for MR220294