

Product datasheet for **RR216855**

Ghdc (NM_001191651) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ghdc (NM_001191651) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ghdc
Synonyms:	RGD1308881
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RR216855 representing NM_001191651
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCCCTGTGCTGTGGCTGCTGTTTCTGCTGCCCTCTGCCCTGCTGGCCATGCTCTGCCAGCAGAGAT
 CTCGGGTGCCAGACCATGCTGGCTGATCAGTCTCCAGCACCGGGTGGCTTTCGTGGTGCTGAGCTGGC
 AGCCGCTGGCAGCGCGGAAACTAGAACAGAGCACACTGAACGTGAGCCAGAGCCAGCAGCAGGCCCTC
 ATGGGGTGTCTGAAGGAAGCCAGGGTTCTGCTGCTCCCCAGGGAGAACACAGACATGACCACCTTCC
 GGAATCTTCCACTGACAAAAACCAGCCACACCCAGCAGAAAGAAAGTGAAGAGAAGCTCTGCCCTAC
 CTTACCCAGTACCATGGAGATGCCTTTTGCAGGCCACCCTGCTGGGTCTAATGACCTTAAACAAGGCC
 TATCCAGAAGTGTGGCTCCAGGAAGTACTGCCTGTGTGACCCCTACATCCCATGGCCCTATTCTGTCC
 CCTGGCTCGGCCATGCCCTGGCCGGGTAAAGTCCATTGGAGCCAAGGATGCCCGGACCCTGCTGCTGGA
 GCGTTGATATCCCCGGGCTGAGGGTACTTGAGGCAAGGACTGCAGTGGAGCTCCTGGATGCTTTGTG
 GGCTTGGAGGCTGATGGTGAAGAACTGGCTGAGGTCATAGCATCTGGGAGCCTAGGGAAGCTCCCCAGAC
 GAGCAGCTGAGCTGCAGGAGGCCCTAGAGCAGGGACCCCGAGGATTGGCCCTCCGGCTCTGGCCAAAGCT
 GCAGGTGGTGGTACTCTGGACGCAGGAGGACAGGCAGAAGCTGTGGCTGCCCTTAGGGTCTGTGGTGC
 CAAGGGCTAGCCTTCTTCTCTCTGCTTATGCTGCCTCTGGAGGGGTGATGGCCCTAAACCTGTGGCCAG
 AGCAACCCCAAGGATCCTATCTTCTGCTCCCTGGAGTCCCCTTTATTGAGCTGCTCCAATCAAGGAAGG
 AACCCAAGAGGAGGCAGCCTCCACTCTCCTTCTACTGATGTCCGAAGGGAGGAAAAGTATGAGTTGGTC
 CTGACTGACAGCACCAGCCTGACCAGGTGCCCTGGGTGACGTGGTACAGGTGATTGGCACCTACAATC
 AGTGTCTGTGGTCAGGTTACCTGCAGGCTGGGACAGACCCTGAGTGTTCGAGGAGAAGTTACTGATGA
 GAATGTATTCTCTGTGGCTTTGGCCCAAGCAGTGGGGCAGTGGCCAGGGCCAAGCTGTTGGACCATGTC
 TGTGTGGAGAGCCACATTCTGGACTCCTATGAGGGATCCGCCCCACACTACGAAGTGTGTTGTGGAGCTGA
 GGGGCTTGAGGAATCTGTGCGAGGAAAATCGAGACAAGCTTGACCACTGCCTTCAGGAAGCCTCCCCTCG
 GTACAAGTCTTGCAGTCTGGGGCAGCGTGGGTCTGCCAAAGTCCATCTGGTGAAGCCAGGAAGCTTC
 AGAGTACTTCGGGAAGCACTAGCAGCCTGCCCTCCTCTCTGTCTGAAATGCCTCGGGTCTCAGGC
 TCAGGCACCTGGCCAGCTCCTGCAGAAGAGGGTATACCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR216855 representing NM_001191651
 Red=Cloning site Green=Tags(s)

MPVLWLLFLLPLLLAMLCQQRSPGARPCWLISLQHRVACVVLSWAAAWQRRKLEQSTLNVQSQQQAL
 MGCLKEAQGSCCLPRENDMTTFRNLPLTKTSHTQQKESEEKLLPPTLPQYHGASLQATLLGLMTLNKA
 YPEVLAPGSTACVPTSPWPYSVPWLGHALGRVSPIGAKDARTLLEALI SPGLRVLEARTAVELLDVFLV
 GLEADGEELAEV IASGSLGKLPRRAAELQEALQGPRLALRLWPKLQVVVTLDAGGQAEVAALRVLWC
 QGLAFFSPAYAASGGVMALNLWPEQPQGSYLLSPGVPIELLPIKEGTQEEAASLTLTDVRREEKVELV
 L TDSTSLTRCRLGDVVQVIGTYNQCPVVRFTCRLGQTL SVRGEVTDENVSVALAQAVGQWPGAKLLDHV
 CVESHILDSYEGSAPHYEVFVELRGLRNLSEENRDKLDHCLQEASPRYKSLRFWGSVGPVHLVRPGSF
 RVLREALAACPSSSCEMPRVLRLRHLAQLLQKRVIP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001191651

ORF Size: 1581 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_001191651.1](#), [NP_001178580.1](#)

RefSeq Size: 2160 bp

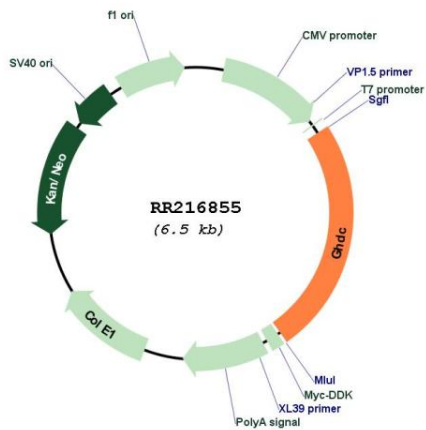
RefSeq ORF: 1584 bp

Locus ID: 303542

Cytogenetics: 10q31

MW: 57.9 kDa

Product images:



Circular map for RR216855