

Product datasheet for **RR213684**

Gcdh (NM_001108896) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gcdh (NM_001108896) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gcdh
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR213684 representing NM_001108896 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTCCCTGCGATGCTCACCGCTACATGTCCTGAGAGGAGTCTCTGCGTGGTTGCTGAGCCGAAGC
TCGGCCTGCGCTTCTCGCGGTTCCACGTACGTGGAGCTCGCGGCCGCGCACACGGAGAAGACACAGAT
CCGATCGGTCAAATCCTCTCGTCTGTGTTGACTGGAAGGACCCACTGGTCTGGAGGACAGTCTGACT
GCCGATGAGAACTCATCAGGGACACCTCCGTAACACTGCCAGGAACGACTTATGTCGAAATCTGC
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CCTGGGAGGAAATGGGATTTCTGATGAGTACCATGTGATCCGGCATGCTATGAATTTAGAGGCAGTGAAC
ACTTACGAAGGTACACATGACATCCATGCTGATCCTGGGAGAGCAATTACTGGGATTCAGGCATTCA
CGTTGAAAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RR213684 representing NM_001108896

Red=Cloning site Green=Tags(s)

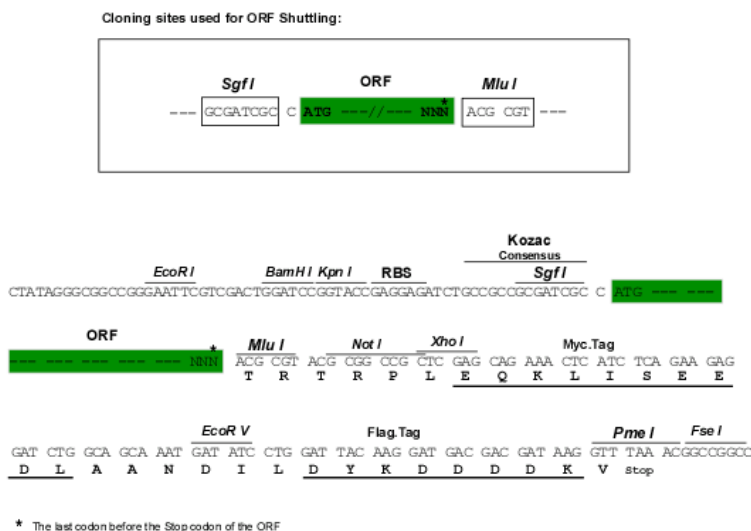
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 ADEKLI RDTFRNYCQERLMSRILLANRNEVFHRDIVYEMGELGVLGPTIKGYGCAGVSSVAYGLL TRELE
 RVDSGYRSMMSVQSSLVMHPIIYTYGSEEQRQKYLPRLAGGELLGCFGLTEPNHGSDPGSMETRARHNPSN
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 PEENVLPNVSSLAGPFGCLNTARYGITWGVLGAAEFCLHTARQYALDRIQFGVPLARNQLVQKKLADMLT
 EITLGLHAQLGRLKDQDKATPEMVSLLRNNGKALDIARQARDILGGNGISDEYHVIRHAMNLEAVN
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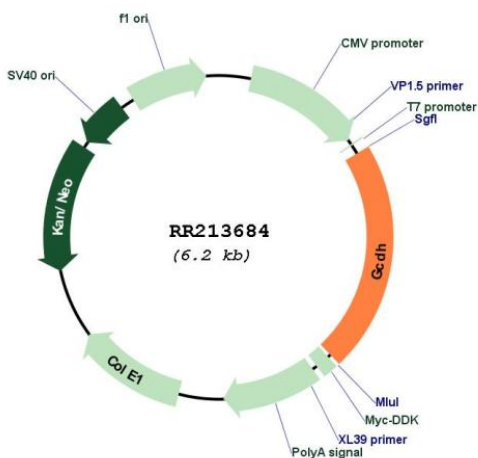
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001108896
ORF Size:	1341 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:	<ol style="list-style-type: none">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_001108896.1 , NP_001102366.1
RefSeq Size:	1875 bp
RefSeq ORF:	1344 bp
Locus ID:	364975
Cytogenetics:	19q11
MW:	49.7 kDa