

Product datasheet for **RR210062**

Ggh (NM_012960) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ggh (NM_012960) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ggh
 Synonyms: MGC105496
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR210062 representing NM_012960
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAAGCCTGGGCCGCTGCTGTGCGCATGGGTTTTGCTGCTGTGCGGGCTTGAAGCCCCGGGCTGT
 CCGGATCCTATGAGCGCGGCTCCAAGCGTCCCATCATCGGAATAATAATGCAAGAATGTTATGGGAACAT
 GACGAAGTTGGGAAGATTCTACATTGCTGCGTCCATGTGAAGTTTATAGAGTCTGCGGGTCAAGAGTC
 GTGCCATAAAGGCTCGACCTTAATGATGCACAGTATGAAACACTTTTAGATCTATTAATGGAGTCTCT
 TGCCCTGGAGGGGTGCTAACCTAACACATTCAGGTTATCCCGTGTGGCCAAAATATTTTACCAAGGC
 TCTAGAGAGTTTTGATAATGGAGACTATTTTCTGTGTGGGAACATGCCTGGGATTGGAGGAGCTTTCC
 GTCCTGGTTAGTAATGACAACCTACTGACACTCACAACACCAGCTCAGTGAAATTCCTTTGAACTTCA
 CGAGAGATTCAAAGCAGAGCAGAATGTTCCGGAATCTTCTGAGGAGTTATTGAATTCATTAGCATCAGA
 AAATCTGACTGCAAAATTTTCAAGTGGAGCCTGTCTGTGAAGAAGTTTACAGAAAACGAGAAGTTAAAG
 AAGTTTTCAATATATTAACAGTCAATACAGATGGCAAGACTGAGTTCATTTTATCCATGGAAGGATATA
 AGTATCCAATATATGCTGTCCAGTGGCATCCTGAGAAAGCACCATTGAGTGAAGAAGTTCGAGGCAT
 TTCCCATGCACCGAATGCTGTGAAGACTTCAATTTACTTAGCAAATTTTTATTCTGAAGCTCTGAAA
 AATGATACCACTTTGAGAACGAACTTGAAGAGACTGAATCCTTGATTTACCAGTCTGTCCAGTTATA
 CTGAAATATTTCTTCAATTCAGCAAGCTTATATGTTTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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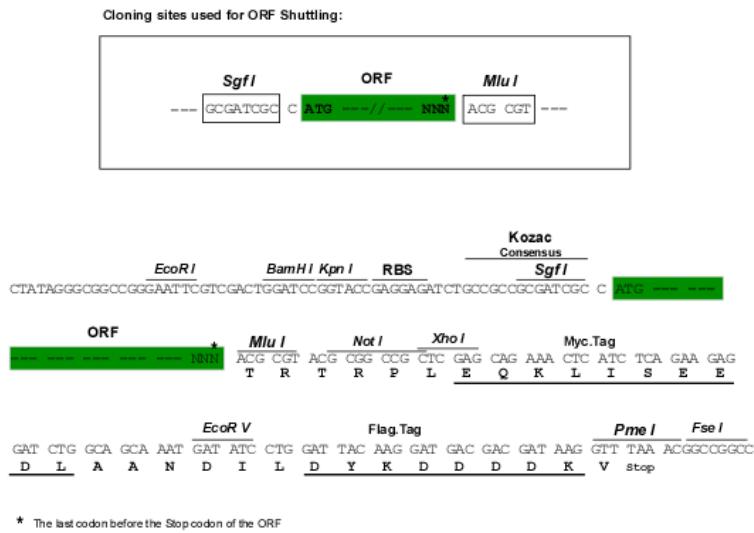
Protein Sequence: >RR210062 representing NM_012960
 Red=Cloning site Green=Tags(s)

MASLGRLLCAVLLLCGLASPLSGSYERGSKRPIIGIIMQECYGNMTKLGRFYIAASYVKFIESAGARV
 VPIRLDLNDAQYETLFRSINGVLLPGGGANLTHSGYSRVAKIFFTKALESFDNGDYFPVWGTCLEELS
 VLVSNDNLLTLTNTSSVKLPLNFTDRSKQSRMFRNLPEELNLSASENLTANFHKWSLSVKNFTENEKLL
 KFFNILTVNTDGKTEFISSMEGYKYPIYAVQWHPEKAPFEWKLRGISHAPNAVKTSFYLAKFFISEALK
 NDHHFENELEETESLIYQFCPVYTGNISSFQAYMFN

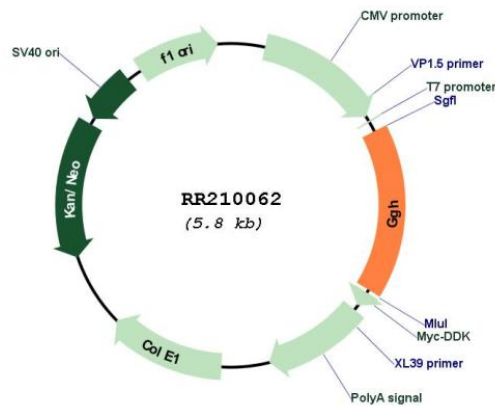
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_012960

ORF Size: 951 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_012960.2 , NP_037092.1
RefSeq Size:	1385 bp
RefSeq ORF:	954 bp
Locus ID:	25455
UniProt ID:	Q62867
Cytogenetics:	5q13
MW:	35.8 kDa
Gene Summary:	catalyzes the removal of glutamate residues [RGD, Feb 2006]