

Product datasheet for MR206655

Gla (NM_013463) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gla (NM_013463) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gla
Synonyms:	Ags
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR206655 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCTTTTGAGCAGAGATACGCGGCTGGTCTGTGAGCTTGCCTTTGTCCCCTGGCTTTAGTTTTCT
GGAGCATTCTGGGGTCAGAGCATTGGACAATGGCTTGGCGGGACTCCTACTATGGGCTGGCTGCATTG
GGAACGTTTCATGTGCAACCTTGACTGCCAAGAAGAGCCTGATGCCTGCATAAGTGAGCAACTGTTTCATG
CAGATGGCAGAGCTCATGGTCTCTGATGGCTGGCGGGATGCAGGTTATGACTATCTCTGCATAGATGACT
GTTGGATGGCTCCCGAGAGGGATTCAAAGGGCAGGCTTCAGGCAGATCCCAACGCTTTCCTAGTGGGAT
CAAACACCTCGCAAATTACGTCCACAGCAAAGGATTGAAGCTAGGGATTTATGCAGATGTTGGGAATAAA
ACCTGTGCAGTTTTCCCGGGAGTTTTGGATCCTATGACATTGATGCGCAGACATTTGCTGACTGGGGCG
TAGATCTGCTAAAATTTGATGGTTGTCAGTGTGACAGTGTAGTATCCTTGGAGAATGGTTATAAGTACAT
GGCCTTGGCCTTGAACAGGACAGGCCGAAGCATTGTATACTCCTGTGAGTGGCCACTTTATTTGAGACCC
TTTCATAAGCCCAATTATACAGATATCCAATATTACTGCAATCATTGGAGAAATTTGATGATGTTTATG
ATTCCTGGGAAAGCATAAAGAATATCTTGTCTTGGACAGTGGTTTACCAGAAGGAGATTGTTGAAGTCGC
TGGACCAGGCAGCTGGAATGACCCAGACATGTTAGTATCGGCAACTTTGGCCTCAGTTGGGACCAGCAG
GTGACACAGATGGCCCTCTGGCTATCATGGCCGCTCCCCTACTCATGTCCAACGATCTGGACAAATCA
GCTCTCAAGCCAAAGCTCTGCTTCAGAATAAGGATGTAATTGCCATCAACCAAGACCCCTTGGGCAAGCA
GGGCTACTGTTTCAGAAAAGGAAAACCACATTGAGGTTTGGGAACGGCCACTCTCCAACCTAGCCTGGGCT
GTGGCTGTGAGAAACCTGCAGGAGATTGGTGGACCTTGCCTTATACCATCCAGATTTCTCCCTGGGTA
GAGGACTAGCCTGCAATCCTGGCTGCATCATTACTCAGCTTCTCCCGAGAAAGTACACCTAGGCTTCTA
TGAATGGACTTTGACCTTAAAACCTCGAGTAAACCCCTCAGGCAGTGTGTTTGTTCGGTTAGAAAAGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR206655 protein sequence
Red=Cloning site Green=Tags(s)

MKLLSRDTRLVCELALCPLALVFWSILGVRALDNLARTPTMGWLHWERFMCNLDCQEEDACISEQLFM
 QMAELMVSDBGWRDAGYDYL CIDDCWMAPERDSKGRLLQADPQRFPSGIKHLANYVHSGKLGKLIYADVGNK
 TCAGFPGSFGSYDIDAQTFADWGVDLLKFDGCHCDSSVLSLENGYKYMALALNRTGRSIVYSCEWPLYLRP
 FHKPNYTDIQYYCNHWRNFDDVYDSWESIKNILSWTVVYQKEIVEVAGPGSWNDPMLVIGNFGLSWDQQ
 VTQMALWAIMAAPLLMSNDLRQISSQAKALLQNKDVIAINQDPLGKQGYCFRKENHIEVWERPLSNLAWA
 VAVRNLQEIGGPCPYTIQISSLRGLACNPGCIITQLLPEKVHLGFYEWTLTLKTRVNPSGTVLFRLER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_013463

ORF Size: 1260 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_013463.1

RefSeq Size: 3032 bp

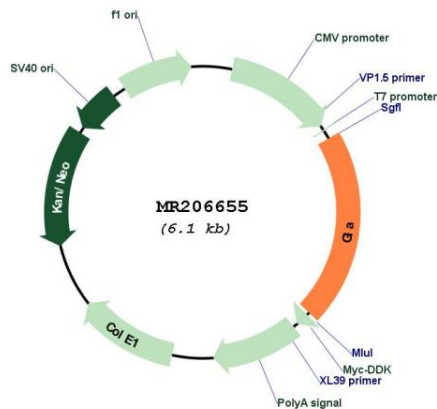
RefSeq ORF: 1266 bp

Locus ID: 11605

Cytogenetics: X 56.2 cM

MW: 47.6 kDa

Product images:



Circular map for MR206655