

Product datasheet for MR202395

Gins3 (NM_030198) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Gins3 (NM_030198) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Gins3 |
| Synonyms: | 2700085M18Rik; A1616142 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR202395 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCGAGGCGTATTTCCAGTGGAGTCGGGCGCTCTGGGGCCGGAGGAGAAGTTCCTGTCTTTGGACG
ACATCCTGATGTCGCAGGAGAAGCTGCCGGTGC GGTCGAGACGCCCATGCCGCGCTGGGAGCCTTCTT
CCTGGAGCGGGCGGGCTCCGAGCCGACCATCCGCTCCCTCAGGGTACAAAAGTGAAGTCCCTG
TGGCTGGCTAAAGGACTCTTTGACCACAAGCGGCGCATCCTTTCTGTGGAAGTCCAAAATGTACCAAG
AGGGATGGAGGACTGTATTCAGTGCAGATGCTAATGTCGTGGACCTCCACAAAATGGGGCCCATTTCTA
TGGGTTTGGCTCACAACTCCTGCATTTTGACAGTCCGGAGAATGCAGATATTTCCAGTCTCTGCTGAAG
ACTTTTATTGGACGGTTCGCGCCATCATGGACTCCTCCAGAATTTTACAATGAAGACTTCAGCGC
TGGTAGCCAGGTTAGATGAGACAGAGAGGGCTTATTTCAAATCGGGCAGAGAAGTCTAAATGACTTTCA
GAGTTGGGAAAAGGACAAGCTTCTCAGATTACAGCTTCCAGCCTCGTCCAGAATTATAAGAAAAGGAAA
TTCACAAACATGGAAGAC

ACGCGTACGCGGCGCTCGAGCAGAAAAGTCTCAGAAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR202395 protein sequence
Red=Cloning site Green=Tags(s)

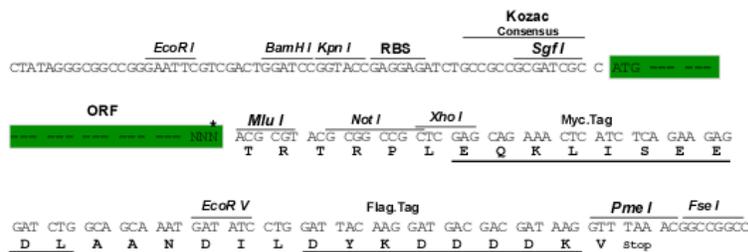
MSEAYFPVESGALGPEENFLSLDDILMSQEKLPVRVETPMPRLGAFFLERGAGSEPDHPLPQGTKLELPL
 WLAKGLFDHKRRILSVELPKMYQEGWRTVFSADANVVDLHKMGPHFYGFGSOLLHFDSPENADISQSLK
 TFIGRFRRIMDSSQNSYNEDTSALVARLDETERGLFQIGQRSLNDFQSWEKGQASQITASSLVQNYKKRK
 FTNMED

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



ACCN: NM_030198

ORF Size: 651 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_030198.3](#)

RefSeq Size: 2412 bp

RefSeq ORF: 651 bp

Locus ID: 78833

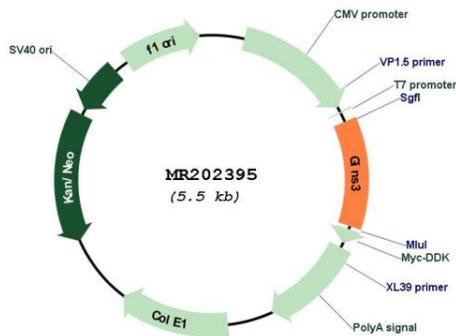
UniProt ID: [Q9CY94](#)

Cytogenetics: 8 C5-D1

MW: 24.6 kDa

Gene Summary: The GINS complex plays an essential role in the initiation of DNA replication, and progression of DNA replication forks. GINS complex seems to bind preferentially to single-stranded DNA (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR202395