

Product datasheet for **MC210880**

Gins1 (NM_027014) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gins1 (NM_027014) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gins1
Synonyms: 2810418N01Rik; Gins4; mKIAA0186; PSF1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC210880 representing NM_027014
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTTCTGCGAAAAGCTATGGAGCTTGTCCGCGAGTTACACCGCGCCGGAAGGGCAGCTGCCGGCCT
 TTAATGAGGACGGACTCAGACAAGTTCTGGAGGAGATGAAAGCTTTGTATGAACAAAACAGTCTGATGT
 GAATGAAGCCAAGTCAGCTGGACGAGGGGATCTGATACCAACCGTCAAATTCGGCACTGTCTTTGTTA
 AGAAATAGACGCTGCACGATAGCATACCTGTATGACCGGTTGCTTCGGATTAGAGCACTCAGGTGGGAAT
 ATGGGAGTGTCTTGCCAAATAGTTTACGATTCCACATGTCTGCTGAAGAAACGGAGTGGTTCAACCATTA
 TAAAAAGTCTCTTACTTACATGAGGTGCGTGGGAGGAGATGAAGGCTTGGACATCACACAAGATGTG
 AAGCCCCCAAAAGCCTATATTTGAAGTGCAGTGTGTTAAAAGACTATGGAGAATTTGAAGTTGATGATG
 GCACTTCAGTCTGTGTTAAAAGAATAGTCAGCACTTTTGCCTCGGTGGAAGTGTGAGCAGTTAATCAG
 ACAAGGAGTTCTAGAGCACGTGCTGTCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_027014
Insert Size: 591 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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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:	<u>NM_027014.1</u> , <u>NP_081290.1</u>
RefSeq Size:	1100 bp
RefSeq ORF:	591 bp
Locus ID:	69270
UniProt ID:	<u>Q9CZ15</u>
Cytogenetics:	2 G3
Gene Summary:	Required for correct functioning of the GINS complex, a complex that 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.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).