

Product datasheet for **RN202792**

Gins4 (NM_001030027) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gins4 (NM_001030027) Rat Untagged Clone
Tag: Tag Free
Symbol: Gins4
Synonyms: 2810037c03rik; RGD1307397
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN202792 representing NM_001030027
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACAGAGGTTCCAGGATCTCCATGGACAGGACTCTGATGAGGGTAGTGAGGAGGTGGTCTAACTCCTG
CAGAACTATTGAAAGGCTGGAGCAGGCCTGGATGAATGAAAAGTTTGCCCTGAGCTCCTGGAGAGCAA
GTCTGAGATTGTGGAATGTGTCATGGAGCAGCTAGAGCACATGGAAGAAAATCTCAGAAGAGCCAAGAAG
GGCGATCTGAAGGTCAGTATCCACCGAATGGAGATGGAGAGGATCCGCTATGTCCTTAGCAGCTATTTAC
GGTGTGCGACTCATGAAGATAGAGAAGTTTTTCCCTCACATCCTAGAAAAGGAGAAAACGCGCCCTGCGGG
GGAGCCTTCCAGCCTGTCTCCAGAGGAGTTGTCTTTGCCAAAGAGTATATGGATCACACAGAGACCCAT
TTTAAAAACGTTGCCTTAAAGCACATGCCTCCCAACCTGCAGAAAAGTGGACCTCATGAGGGCAGTTCCCA
AACCAGACCTAGATTCATACGTGTTTCTGAGAGTGAAAGAACGACAGGAAAACATACTAGTAGAACCAGA
AGCTGATGAGCAGAGAGACTATGTTATTGACTTGGAGGAGGCTCACAGCACTTGATTGATACAAAACC
ATTGCACCTCTTGTTGCTTCTGGAGCAGTTCAGTTGATA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001030027
Insert Size: 672 bp



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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).
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_001030027.1</u> , <u>NP_001025198.1</u>
RefSeq Size:	1079 bp
RefSeq ORF:	672 bp
Locus ID:	290842
UniProt ID:	<u>Q499W2</u>
Cytogenetics:	16q12.5
Gene Summary:	The GINS complex plays an essential role in the initiation of DNA replication, and progression of DNA replication forks. SLD5 is important for GINS complex assembly. GINS complex seems to bind preferentially to single-stranded DNA (By similarity).[UniProtKB/Swiss-Prot Function]