

Product datasheet for **MC210879**

Gins1 (NM_001163476) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gins1 (NM_001163476) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gins1
Synonyms: 2810418N01Rik; Gins4; mKIAA0186; PSF1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC210879 representing NM_001163476
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTGCGAAAAAGCTATGGAGCTTGTCCGCGAGTTACACCGCGCCGGAAGGGCAGCTGCCGGCCT
TTAATGAGGACGGACTCAGACAAGTTCTGGAGGAGATGAAAGCTTTGTATGAACAAAACCAAGTCTGATGT
GAATGAAGCCAAGTCAGCTGGACGAGGGGATCTGATACCAACCGTCAAATTCGGCACTGTGCTTTGTTA
AGAAATAGACGCTGCACGATAGCATACCTGTATGACCGGTTGCTTCGGATTAGAGCACTCAGGTGGGAAT
ATGGGAGTGTCTTGCCAAATAGTTTACGATTCCACATGTCTGCTGAAGAAACGGAGTGGTTCAACCATTA
TAAAAAGTCTCTTACTACTACATGAGGTCTGGGAGGAGATGAAGGCTTGGACATCACACAAGATGTG
AAGCCCCCAAAGCCTATATATTGAAGTATGTGTACCTACTTTAATGCATATATTGTGCTACCCCTCTAT
AA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001163476
Insert Size: 492 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).



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_001163476.1, NP_001156948.1</u>
RefSeq Size:	677 bp
RefSeq ORF:	492 bp
Locus ID:	69270
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 (2) uses an alternate splice pattern in the 3' coding region and 3' UTR, compared to variant 1. The resulting isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.