

Product datasheet for MR211439

Gart (NM_010256) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gart (NM_010256) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gart
Synonyms:	Gaps; Prgs
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211439 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCCCGAGTTCTTGTTCATCGGTAGCGGGGAAGGGAACATACCCTGGCCTGGAAGCTCGCACAGT
CTCCTCAGGTCAAGCAAGTGTGGTTGCCCCAGGAAACGCAGGCACTGCGTGCCTGGGAAGATCTCCAA
TGCTGCTGTCTGTCAATGATCACAGTGCCCTCGCTCAGTTCTGCAAGGATGAAAAGATTGAAGTCTGTA
GTTGTCCGACAGAGGCCCTCTGGCTGCAGGAATTGTTGGGACCTGACCTCTGCAGGAGTACGATGCT
TTGGCCCCACAGCACAAGCAGCTCAATTAGAGTCCAGTAAGAAGTTTGCTAAAGAGTTTATGGACCGCCA
TGAATCCCAACTGCACAGTGGAGAGCATTACCAACCCCTGAAGATGCCTGCAGCTTTATTACAAGCGCG
AACTTTCCTGCTTTGGTTGTGAAGGCCAGTGGCCTTGCAGCAGGGAAGGGAGTGATTGTGGCCAAGAGCC
AAGCGGAGGCCTGCAGAGCTGTACAGGAGATCATGCAAGAAAAGTCTTTCGGAGCAGCTGGTGAACAGT
TGTTGTGGAAGAGTTTCTGGAAGGGGAAGAAGTGTCTTGCCTTTGCTTCACTGACGGGAAGACGGTGGCC
GAAATGCCCCAGCACAAGACCAATAAGCGATTGCTGGATGGAGACGAAGGCCCAACACCGGGGGGATGG
GAGCCTACTGCCAGCACCTCAGGTTTCTAAGGACTTGTAGTAAAAATTAAGAACAATTTCTTCAGAG
AGCAGTAGACGGCATGCAGCAGGAGGGTGCGCCGTACACAGGAATCTTTATGCTGGTATAATGCTGACC
AAAGATGGCCCCAAAAGTGTGGAGTTTAAATGGCCGCTTTGGTGATCCGGAATGCCAGGTCATCCTCCCAC
TTCTTAAAAGTGACCTCTATGAGGTGATGCAGTCCACCTTGGATGGCCTGCTGAGCGCGTCTCTGCCTGT
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TAAAGATGGCAAAGTAGTGACCAGCGGGGCAGGGTCTCACCGTGACAGCTGTCCAGGAAAATCTCAT
GTCAGCCCTTGTGAGGCCAGGAAAGGACTCGCTGCTCTAAAGTTTGGAGGAGCCATCTATAGAAAGGAC
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TCGCAGCTGAAAATATGCTGGTTAAGAAAATTCAGCCTTAGCAAAGCCACCTCCAGACCAGGCTGCAG
TGTTGACCTTGGGGCTTTGCTGGTCTTTTATTGAAAGCAGCTGTTTCAAAGATCCTCTTCTGGCC



TCTGGAACAGATGGTGTGGGAACTAAACTAAAGATTGCGCAGCTGTGCAATAAGCATGATTCCATCGGGC
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 CTTTTCTGTGGGAAGCTCGACCTCAGTACAACGAAGCCGTCATTGCTGGAATTGCTGCAGCTTGCCAG
 CAGGCTGGCTGTGCCCTGCTGGGTGGGGAGACAGCAGAGATGCCCAACATGTACCCTCTGGAGAGTATG
 ATCTTGTGGGTTTGTGTTGGTGCTATGGAGAGACACCAGAAGCTCCCTCAGCTAGAAAAGGATCACCGA
 AGGGATGCTGTTATTGGAGTGGCTTCACTGGTCTTACAGCAATGGGTTTACCTTGTGAGAAAAATC
 GTGGAGAGGCTTCGCTCCAATACTCTCCAGCACCTGGTGGTGTGGAGATCAGACCTTAGGGGACT
 TACTTCTAACTCCAACAGGATCTACAGCCATCACTGCTGCCCATCATACGTTACAGACGTGTCAAAGC
 TTTTGCTCATATCACTGGAGCGGGTGTGAAAAACATCCCCAGAGTCTCCCTCAGAAGTTTGGAGTA
 GATTTAGATGCCAGCACCTGGAGGGTCCCCAAGGTCTTCTCGTGGCTACAGCAGGAAGGAGAGCTCTCTG
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 GCAGGTTCTGCATGACGTTCCGCGCGGCAGGAGGAAGCCTGGGTGATAGGCAGTGTCTGTGCGTGTCT
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 ATGCTCAACATCCACCCATCCTTGTCCCTTCTTAAAGGTTCAAATGCCACAGAGCAAGTCTGGAAG
 CTGGAGTACAATCACTGGGTGTACCGTACACTTGTGCTGAAGATGTAGATGCCGGACAAATCATCTCT
 GCAGGAAGCTGTCCCTGTGCGGAGGGGTGACACTGTGGCAACGCTGTCTGAACGGGTCAAAGTGGCAGAA
 CATAAGATCTTCTGCCGCTTTCAGCTGGTGGCCAGCGGGGCTGTGCAGCTGCGAGAAGATGGCAAGA
 TCCACTGGGCCAAGGAGCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211439 protein sequence
 Red=Cloning site Green=Tags(s)

MAARVLVIGSGGREHTLAWKLAQSPQVKQVLVAPGNAGTACAGKISNAAVSVNDHSALAQFCKDEKIELV
 VVGPEAPLAAGIVGDLTSAGVRCFGPTAQAAQLESSKKFAKEFMDRHEIPTAQWRAFTNPEDACSFITSA
 NFPALVVKASGLAAGKGVIVAKSQAEACRAVQEI MQEKSFGAAGETVVVEEFLEGEVSLCFTDGTVA
 EMPPAQDHRLLDGEDEPNTGGMGAYCPAPQVSKDLLVKIKNTILQRAVDGMQEGAPYTGILYAGIMLT
 KDGPVKLEFNCRFGDPECQVILPLLKSDLYEVMQSTLDGLLSASLPVWLENHSAVTVMASKGYPGAYTK
 GVEITGFPEAQLGLQVFHAGTALKDGVVTSGGRVLTAVQENLMSALAEARKGLAALKFEGAIYRKD
 IGFRAVAFVLRPRGLTYKDSGVDIAAGNMLVKKIQPLAKATSRPGCSVDLGGFAGLFDLKAAGFKDPLLA
 SGTGVTGKTKLIAQLCNKHDSIGQDLVAMCVNDILAQGAEPFLFDYFSCGKLDLSTTEAVIAGIAAACQ
 QAGCALLGGETAEMPNNYPPGEYDLAGFVAVGAMERHQKLPQLERITEGDAVIGVASSGLHSNGFSLVRKI
 VERSSLQYSSPAPGGCGDQTLGDLTLPTRIYSHSLPIIRSGRVKFAFAHITGGGLLENIPRVLQPKFGV
 DLDASTWRVPKVFVSWLQQEGLSEEEMARTFNCGIGAALVYVSKDQAEQVLHVVRRRQEEAWVIGSVVACP
 EDSRVRVKNLIETIQTNGSLVANGFLKSNFPVQKKARVAVLISGTGSNLQALIDSTRDPKSSSHIVLV
 ISNKAAVAGLDRAERAGIPTRVINHKLKYNRVEFDNAVDHVLVEEFVSDIVCLAGFMRIISGPFVRKWDGK
 MLNIHPSLLPSFKGSNAHEQVLEAGVTITGCTVHFVAEDVDAGQIILQEAVPVRRGDTVATLSERVKVAE
 HKIFPAALQLVASGAVQLREDGKIHWAKEQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_010256

ORF Size: 3033 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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).

