

Product datasheet for **MG205495**

Gna11 (NM_010301) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gna11 (NM_010301) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gna11
Synonyms:	Dsk7; E430025L19
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205495 representing NM_010301 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTCTGGAGAACTTGATGGCGTGTTCCTGAGCGACGAGGTGAAGGAGTCGAAGCGCATCAACGCGG
AGATCGAGAAACAGCTGCGGGGACAAGCGCGACGCCCGCGGAGCTCAAGCTGCTGCTACTTGGCAC
TGGCGAGAGCGGGAAGAGTACCTTCATCAAGCAGATGCGCATCATCCACGGGGCCGGCTACTCGGAGGAG
GACAAGCGCGGCTTACCAAGTTGGTGTACCAGAACATCTTACCGCCATGCAGGCCATGGTGCAGGCCA
TGGAGACGCTCAAGATCCTCTACAAGTATGAGCAGAACAAGCCAATGCACTCCTGATCCGGGAGGTCGA
TGTGGAGAAGGTCACACTTTTGAACACAGTATGTGAATGCCATCAAGACGCTGTGGAGTGACCCTGGT
GTCAGGAGTGTACGATCGCAGGCGGGAGTTCAGCTATCTGACTCGGCTAAGTACTACTTGACGGACG
TGGACCGCATCGCCACAGTAGGCTACCTGCCACCCAGCAGGATGTGCTGCGGGTACGCGTGCCACCAC
TGGCATCATCGAGTACCCGTTTACCTGGAGAACATCATCTTCAGGATGGTGGATGTGGGCGGGCAGAGG
TCAGAGCGCAGGAAGTGGATCCATTGCTTTGAGAACGTGACTTCCATCATGTTCTTGGTGGCACTAAGCG
AGTATGACCAAGTCCCTGGTGGAGTCAGACAATGAGAACCAGTGGAGGAGAGCAAGGCCCTGTTCCGCAC
AATCATCACCTACCCCTGGTCCAGAATCGTCTGTGATTCTCTCTCAACAAGAAGGACCTTCTAGAA
GACAAGATCCTGCACTCACACTTGGTCGATTACTTCCCTGAGTTTGTGGCCACAGAGGATGACACAGG
CCGCACGCGAGTTTCACTTGAAGATGTTTGTGGACCTGAACCCTGACAGCGACAAAATCATCTACTCCCA
CTTCACGTGTGCCACCGACCCGAGAACATCCGCTTTGTGTTGCGAGCTGTGAAGGACACCATCCTGCAG
CTGAACCTGAAGGAGTACAACCTGGTGAGCGGACCG

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205495 representing NM_010301
Red=Cloning site Green=Tags(s)

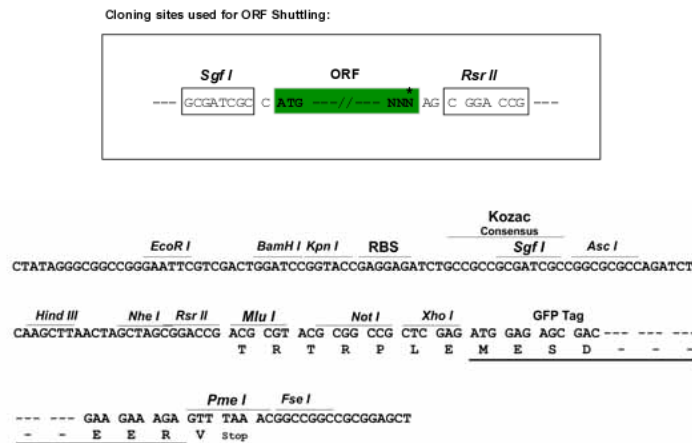
MTLENLMACCLSDEVKESKRINAEIEKQLRRDKRDARRELKLLLLGTGESGKSTFIKQMRIIHGAGYSEE
DKRGFTKLVYQNIIFTAMQAMVRAMETLKILYKYEQNKANALLIREVDVEKVTTFEHQYVNAIKTLWSDPG
VQECYDRRREFQLSDSAKYLLTDVDRIATVGYLPTQDVLRRVPTTGIIEYFDLENIIFRMVDVGGQR
SERRKWIHCFENVTSIMFLVALSEYDQVLVESDNENRMEESKALFRTIITYPWFQNSSVILFLNKKDLLE
DKILHSHLVDFPEFDGPDQDAQAAREFILKMFVDLNPDSKIIYSHFTCATDTENIRVFVAVKDTILQ
LNLKEYNLVSGP

SGPTRRRLE - GFP Tag - V

Chromatograms: https://cdn.origene.com/chromatograms/ja2414_d11.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:



ACCN: NM_010301

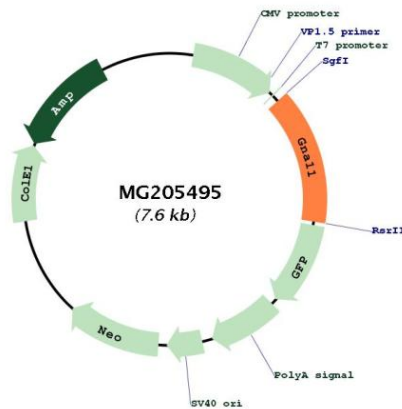
ORF Size: 1086 bp

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).
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_010301.2</u> , <u>NP_034431.1</u>
RefSeq Size:	3262 bp
RefSeq ORF:	1080 bp
Locus ID:	14672
UniProt ID:	<u>P21278</u>
Cytogenetics:	10 39.72 cM
Gene Summary:	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems. Acts as an activator of phospholipase C. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG205495