

## Product datasheet for MR205807

### Gna15 (NM\_010304) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gna15 (NM_010304) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gna15
Synonyms:	Galpha15; G[a]15
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205807 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCGGTCCCTGACTGGGGCTGCTGTCCCTGGTGCCTGACAGAGGAGGAGAAGACTGCCGCCAGAA  
TCGACCAGGAGATCAACAGGATTTTGTGGAACAGAAAAACAAGAGCGCGAGGAATTGAACTCCTGCT  
GTTGGGGCTGGTGGAGCGGGAAGAGTACGTTTCATCAAGCAGATGCGCATATTCACGGTGTGGGCTAC  
TCGGAGGAGGACCGCAGAGCCTCCGGCTGCTCATCTACCAGAACATCTTCGTCTCCATGCAGGCCATGA  
TAGATGCGATGGACCGGCTGCAGATCCCCTTCAGCAGGCCTGACAGCAAGCAGCAGCCAGCCTAGTGAT  
GACCCAGGACCCCTATAAAGTGAGCACATTCGAGAAGCCATATGCAGTGGCCATGCAGTACCTGTGGCGG  
GACGCGGGCATCCGTGCATGCTACGAGCGAAGGCGTGAATTCACCTTCTGGACTCCGCGGTGATTACC  
TGTCACACCTGGAGCGCATATCAGAGGACAGCTACATCCCCTGCGCAAGACGTGCTGCGCAGTCGCAT  
GCCACCACAGGCATCAATGAGTACTGCTTCTCCGTGAAGAAAACCAAATGCGCATCGTGGATGTTGGT  
GGCCAGAGGTGAGAGCGTAGGAAATGGATTCACTGTTTCGAGAACGTGATTGCCCTCATCTACCTGGCCT  
CCCTGAGCGAGTATGACCAGTGCCTAGAGGAGAACGATCAGGAGAACCGCATGGAGGAGAGTCTCGCTCT  
GTTTCAGCAGATCCTAGAGCTGCCCTGGTTCAGAGCACCTCGGTATCCTCTTCTCAACAAGACGGAC  
ATCCTGGAAGATAAGATTACACCTCCCACCTGGCCACATACTCCAGCTTCCAGGGACCCCGGCGGAG  
ACGCAGAGGCCGCAAGAGCTTCATCTTGACATGTATGCGCGCGTGTACGCGAGCTGCGCAGAGCCCA  
GGACGGTGGCAGGAAAGGCTCCCGCGCGCGCGCTTCTTCGCACACTTACCTGTGCCACGGACACGCAA  
AGCGTCCGACGCGTGTCAAGGACGTGCGGGACTCGGTGCTGGCCCGGTACCTGGACGAGATCAACCTGC  
TG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205807 protein sequence  
 Red=Cloning site Green=Tags(s)

MARSLTWGCCPWCLTEEEKTAARIDQEINRILLEQKKQEREELKLLLLGPGESGKSTFIKQMRIHGVGY  
 SEEDRRRAFRLLIYQNI FVSMQAMIDAMDRLQIPFSRPDSKQHASLVMTQDPYKVS TFEKPYAVAMQYLWR  
 DAGIRACYERRREFHLLDSAVYYL SHLERISED SYIPTAQDVLRSRMP TTGINEYCF SVKKTCLR IVDVG  
 GQRSERRKWIHCFENVIALIYLASLSEYDQCLEENDQENRMEESLALFSTILELPWFKSTSVILFLNKTD  
 ILEDKIHTSHLATYFSPFQGPRRDAEAAKSFILDMYARVYASCAEPQDGGGRKGSRRRRFFAHFTCATDTQ  
 SVRSVFKDVRDSVLARYLDEINLL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_010304

**ORF Size:** 1125 bp

**OTI Disclaimer:** 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:**

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:** [NM\\_010304.3](#), [NP\\_034434.1](#)

**RefSeq Size:** 1974 bp

**RefSeq ORF:** 1125 bp

**Locus ID:** 14676

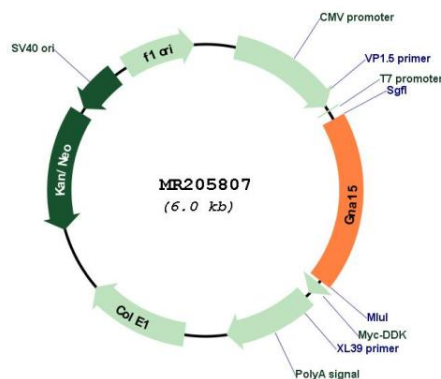
**UniProt ID:** [P30678](#)

**Cytogenetics:** 10 39.72 cM

**MW:** 43.5 kDa

**Gene Summary:** Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR205807