OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MG205404

Gna14 (NM_008137) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gna14 (NM_008137) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gna14
Synonyms:	AU023208
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>MG205404 representing NM_008137
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCGGCTGCTGCTGTTTGTCTGCGGAGGAGAAAGAGTCTCAGCGCATCAGCGCGGAGATCGAGCGGC
AGCTTCGCCGCGACAAGAAGGACGCGCGCCGGGAGCTCAAGCTGCTGTTGCTGGGAACCGGTGAGAGTGG
GAAAAGCACCTTTATCAAGCAGATGAGGATAATCCATGGGTCTGGCTACAGTGATGAAGATAGAAAGGGC
TTCACGAAGCTGGTTTACCAAAACATATTCACGGCCATGCAAGCCATGATCAGAGCAATGGATACCCTGA
GGATACAATACATGTGTGAGCAGAATAAGGAAAATGCCCAGATCATCAGGGAAGTGGAAGTAGACAAGGT
CACTGCACTCTCTAGAGACCAGGTGGCAGCCATCAAGCAGCTGTGGCTGGATCCCGGAATCCAGGAGTGT
TACGACAGGAGGAGGGAGTACCAGCTGTCAGACTCTGCCAAATATTACCTGACGGACATTGAGCGTATCG
CCATGCCCTCTTTCGTGCCAACACAACAGGATGTGCTTCGTGTTCGAGTGCCCACCACTGGCATCATAGA
ATATCCATTCGACCTGGAAAATATCATCTTCCGAATGGTGGATGTTGGTGGCCAGCGATCTGAACGACGG
AAATGGATTCACTGCTTTGAGAGTGTCACCTCCATCATTTTCTTGGTTGCTCTGAGTGAATATGACCAGG
TTCTGGCTGAGTGTGACAATGAGAACCGCATGGAGGAGAGCAAAGCCCTGTTTAGAACCATCATCACCTA
CCCCTGGTTTCTGAACTCCTCCGTGATTCTGTTCTTAAACAAGAAGGATCTTCTAGAGGAGAAAATCATG
TACTCTCATCTAATTAGCTACTTCCCAGAGTACACAGGACCAAAGCAAGATGTCAAAGCGGCCAGGGACT
TTATCCTGAAGCTGTATCAAGACCAGAATCCTGACAAAGAGAAGGTTATCTATTCTCACTTCACTTGTGC
TACAGACACCGAGAATATCCGCTTTGTGTTTGCTGCTGTCAAAGACACAATCCTACAGCTAAACCTACGG
GAGTTCAACTTGGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

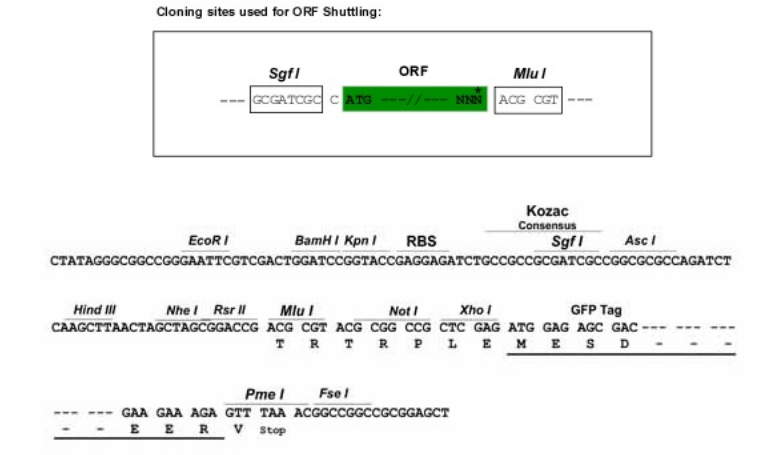
>MG205404 representing NM_008137
Red=Cloning site Green=Tags(s)

MAGCCCLSAEEKESQRISAEIERQLRRDKKDARRELKLLLLGTGESGKSTFIKQMRIIHGSGYSDEDRKG
FTKLVYQNIFTAMQAMIRAMDTLRIQYMCEQNKENAQIIREVEVDKVTALSRDQVAAIKQLWLDPGIQEC
YDRRREYQLSDSAKYYLTDIERIAMPSFVPTQQDVLRVRVPTTGIIEYPFDLENIIFRMVDVGGQRSERR
KWIHCFESVTSIIFLVALSEYDQVLAECDNENRMEESKALFRTIITYPWFLNSSVILFLNKKDLLEEKIM
YSHLISYFPEYTGPKQDVKAARDFILKLYQDQNPDKEKVIYSHFTCATDTENIRFVFAAVKDTILQLNLR
EFNLV

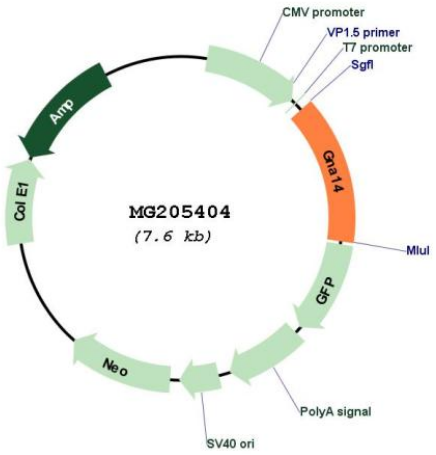
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008137

ORF Size:	1065 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_008137.2, NP_032163.2
RefSeq Size:	3291 bp
RefSeq ORF:	1068 bp
Locus ID:	14675
UniProt ID:	P30677
Cytogenetics:	19 11.29 cM
Gene Summary:	Guanine nucleotide-binding proteins (G proteins) are involved as modulators or transducers in various transmembrane signaling systems.[UniProtKB/Swiss-Prot Function]