

Product datasheet for **SC122675**

GNA14 (NM_004297) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GNA14 (NM_004297) Human Untagged Clone
Tag:	Tag Free
Symbol:	GNA14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_004297 edited
 CTGCGGCTCACTGCTGAGGTTTTCCAGAACTTTCCAGGCAAAGGCCAGGCAGGTCCTTTGCC
 TCCAACCCACTCCGCGCTACCTCCCGCTGGGGACACCCCTAGGCCAGGAGATCCTAC
 TCTCCCCGAGCACCGACGTTCCAACCTCGTCTGCGCCCCGACTGCTGTCCGGCTCCTGT
 GCCAAGGGGCGCGCATCTTCCCGGGCCAGCAACGCTCCCAACTTCTCGACTCGCCCT
 CCTCTCCCAGAGCGAGAGTGGGGCGGGCTGAGCCCGGATCCGGGGTGCCTCGAGCGT
 TCCCAGCGCTCGGCATTACCCCGCTCAGAGCCGACTTTCGAAGGGGGATTGAGCCTCG
 GAGGTCCAGGCGCTTACTCCAAAGCTCAAGTCGGCCCCGCTTTTTCTTCCACACCCC
 TGTGCCCGTGCATGCTGGCCGGGTGAGCGGCCGGCCGAGGATTCGGGTGCCCGGGGCC
 GCGTCGCCCGTCCGGTACTGAGCTGAGCGCACCATGGCCGGTCTGCTGCCTGTCCGC
 GGAGGAGAAGGAGTCGCAGCGCATCAGCGCGGAGATCGAGCGACAGCTTCGTCCGGACAA
 GAAGGACGCGCGCTGAGCTTAAGCTGCTGCTGCTGGAACTGGTAAAAGTGGGAAAAG
 CACCTTTATCAAGCAGATGAGAATTATCCATGGGTCTGGTTACAGCGACGAAGACAGAAA
 GGGTTACGAAGCTGGTTTACAAAACATATTCACCGCATGCAAGCCATGATCAGAGC
 GATGGACACGCTAAGGATACAGTATGTGTGAACAGAATAAGGAAAATGCCAGATAAT
 CAGAGAAGTGAAGTGGACAAGGTCTCCATGCTCTCCAGGGAGCAGGTGGAGGCCATCAA
 GCAGCTCTGGCAAGATCCAGGCATCCAGGAGTGTACGACAGGAGGAGGGAGTACCAGCT
 GTCGGACTCTGCCAAATATTACCTGACTGACATTGACCGCATCGCCACACCATCATTCGT
 GCCTACCAACAAGATGTGCTTCGCGTCCGAGTGCACACACCGGCATCATTGAGTATCC
 ATTTGACTTGGAAAACATCATCTTTCGGATGGTGGATGTTGGTGGCAACGATCGGAAAAG
 ACGGAAGTGGATCACTGCTTTGAGAGTGCACCTCCATTATTTCTTGGTTGCTCTGAG
 TGAATATGACCAGTCTGGCTGAGTGTGACAACGAGAATCGCATGGAAGAGAGCAAAGC
 CTTATTTAAAACCATCATCACCTACCCCTGGTTTCTGAATTCTGCTGTGATTTTATCTT
 GAACAAGAAGGATCTTTTGGAAAGAGAAAATCATGTAATCTCATCTAATTAGCTATTTCCC
 AGAATACACAGGACCGAAACAGGATGTCAGAGCTGCCAGAGACTTTATCCTGAAGCTTTA
 CCAAGATCAGAATCCTGACAAAGAGAAAGTCACTACTCTCACTTACATGTGCTACAGA
 TACAGACAATATTCGCTTTGTGTTTGTGCTGTCAAAGACACAATTCTACAGCTAAACCT
 AAGGGAATTAACCTTGCTAAAAGCTGCTGCCACTCTCCCTATAACAGAAGATGTG
 ATTTGCAAACCTTGTGTTTATTTGCAAGTCTTCTGACATCACCAGAGCCAGCCCCATG
 CCAGGAACTAAGGATGTCATGTAGATCGTGGGACAGAGATGGGTGATGGAACCTGGAAG
 ATATTTGAGTTTACCAACATACTTTAAAAGTCTTACATCCCAAATTTGTGTTTATAATTA
 TTTTCTTGACTTTTGGCTATAAGATTTTGTGAAATTTTGAATTTGGTGTGTTTCTAGAAT
 TTTTAAAAGCCACTTTGATTTAGTTTTAAATATGTTTTAAAATAGCGATTAATAATATGT
 AAGCAAGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_004297 unedited
 NNGGCGGTTGCAATTTGTATACGACTCATATGGGCGCCGGCGATTGAGATCTGGTACCG
 GTCGGGAATCCCGGGATCTGCGGTCACTGCTGAGTTTTCCAGAACTTTCCAGGCAAAGG
 CCAGCCAGGTCCTTTCCTCCAACCCACTCCGCGCTACCTCCCGCTGGGGACACCCCT
 AGGCCCAGGAGATCCTACTCTCCCCGAGCACCGACGTTCCAACCTCGTCTGCGCCCCGA
 CTGCTGTCCGGCTCCTGTGCAAGGGGCGCGCATCTTCCCGGGCCAGCAACGCTCCC
 AACTTCTCGACTCGCCCTCCTCCTCCCCAGAGCGAGAGTGGGGCGGGCTGAGCCCGGATC
 CGGGGTGCACTCGAGCGTTCACGCGCTCGGCATTACCCCGCTCAGAGCCGACTTTTCG
 AAGGGGATTGAGCCTCGGAGGTCCAGGCGTCTTACTCCAAGCTCAAGTCGGCCCCCGT
 CTTTTCTTCCACACCCCTGTGCCCGTGCATGCTGGCCGGTGAAGCGCCGGCCGAGG
 ATTCGGGTGCCCGGGCCGCGTCCCGCTCGGGTACTGAGCTGAGCGCACCATGGCCGG
 CTGCTGCCTGTCCGCGGAGGAGAAGGAGTGCAGCGCATCAGCGCGGAGATCGAGCC
 ACAGCTTCGTCCGGACAAGAAGGACGCGCGCTGAGCTTAAGCTGCTGCTGCTGGGAAC
 TGGTAAAAGTGGGAAAAGCACCTTTATCAAGCAGATGAGAATTATCCATGGGGTCTGGTT
 ACAGCGACGAAGACAGAAAGGGTTACGAANGCTGGTTTACCANAACATATTCACCGCC
 ATGCCAGCATGATCAGAGCGATGGACACGCTANGATACAGTATGTTGTGTAACAGAAA

Restriction Sites: Please inquire

ACCN:	NM_004297
Insert Size:	1953 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_004297.2</u> , <u>NP_004288.1</u>
RefSeq Size:	1953 bp
RefSeq ORF:	1068 bp
Locus ID:	9630
UniProt ID:	<u>O95837</u>
Cytogenetics:	9q21.2
Protein Families:	Druggable Genome
Protein Pathways:	Calcium signaling pathway
Gene Summary:	This gene encodes a member of the guanine nucleotide-binding, or G protein family. G proteins are heterotrimers consisting of alpha, beta and gamma subunits. The encoded protein is a member of the alpha family of G proteins, more specifically the alpha q subfamily of G proteins. The encoded protein may play a role in pertussis-toxin resistant activation of phospholipase C-beta and its downstream effectors.[provided by RefSeq, Feb 2009]