

Product datasheet for **SC122705**

GNAT2 (NM_005272) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GNAT2 (NM_005272) Human Untagged Clone
Tag: Tag Free
Symbol: GNAT2
Synonyms: ACHM4; GNATC
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_005272 edited
CAATGTAGGCAGAGTACAAGACCCTACAGCCTGCTCTCTCACCTGCCATCGTACAGACCA
GCTTTTAGGGGAGCCAAGTTGGGATACTCAATCCCAACTTTTTCTTCTCTTCCATCTC
ACATACAGGAAAACCTTACGAGAGAGGATTAGGGGCCTGAAAAAGCTGACAAGACGGCAAA
TATGGGAAGTGGAGCCAGTGCTGAGGACAAAGAACTGGCCAAGAGGTCCAAGGAGCTAGA
AAAGAAGCTGCAGGAGGATGCTGATAAGGAAGCCAAGACTGTCAAGCTGCTACTGCTGGG
TGCTGGGGAGTCAGGAAAGAGCACCATCGTCAAACAGATGAAGATCATTACCAGGATGG
CTATTCACCAGAAGAATGCCTGGAGTTC AAGGCTATCATCTATGGAAATGTGCTGCAGTC
CATCCTGGCTATCATCCGGGCCATGACCACACTGGGCATCGATTATGCTGAACCAAGCTG
TGCGGATGACGGGCGACAGCTCAACAACCTGGCTGACTCCATTGAGGAGGGAACCATGCC
TCCTGAGCTCGTGGAGGTCATTAGGAGGTTGTGGAAGGATGGTGGGGTGAAGCCTGCTT
CGAGAGAGCTGCAGAATACCAGCTTAATGACTCCGCATCTTACTACCTGAACCAATTAGA
ACGAATTACAGACCCTGAGTACCTCCCTAGTGAGCAAGATGTGCTCCGATCCAGAGTCAA
AACCACAGGCATCATTGAAACCAAGTTTTCCGTCAAAGACTTGAATTTCCAGGATGTTTGA
TGTGGGAGGGCAGAGATCCGAGAGAAAAGTGGATCCACTGCTTCGAGGGAGTCACCTG
CATCATTTTCTGTGCAGCCCTCAGTGCCTATGATATGGTGTGGTGAAGATGACGAAAT
GAATCGTATGCATGAGTCTTTGCATCTGTTCAACAGCATATGTAACCACAAAATCTTTGC
GGCTACTTCCATTGTCTCTTTCTCAACAAGAAGGACCTCTTTGAGGAAAAAATCAAGAA
AGTCCATCTCAGCATTTGTTTTCCAGAGTATGATGGTAACAACCTCTATGATGATGCGGG
GAATTACATAAAGAGCCAGTTCCTTGACCTCAATATGCGAAAAGATGTCAAAGAAATCTA
CAGTCACATGACCTGTGCTACAGATACACAGAATGTCAAATTTGTGTTTGTGATGCAGTTAC
AGATATTATCATCAAAGAAAACCTCAAGGACTGCGGCCTCTTCTAATCCTCACCATTCTCT
CAGGTATAAGTTCTATAAACAGGCTTGGAACTGGGTAATTA AAAACAGAAAATTATAGT
CAATATACCATGAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005272 unedited NAGGTGCAGTTTACGATTTGTATACGACTCCTATAGGCGGCCGCGNAATTCGCACGAGGC AATGTGAGGCAGATACAANACCTACAGCCTGCTCTCACCTGCCATCGTACAGACCAG CTTTTAGGGGAGCCAAGTTGGGATACTCAATCCCACTTTTTCTTCTTCCATCTCA CATACAGAAACCTTACGAGAGAGGATTAGGGCCTGAAAAAGCTGACAAGACGGCAAAT ATGGGAAGTGGAGCCAGTGTGAGGACAAAGAACTGGCCAAGAGGTCCAAGGAGCTAGAA AAGAAGCTGCAGGAGGATGCTGATAAGGAAGCCAAGACTGTCAAGCTGCTACTGCTGGGT GCTGGGGAGTCAGGAAAGAGCACCATCGTCAAACAGATGAAGATCATTACCAGGATGGC TATTCACCAGAAGAATGCCTGGAGTTCAAGGCTATCATCTATGGAATGTGCTGCAGTCC ATCCTGGCTATCATCCGGGCCATGACCACACTGGGCATCGATTATGCTGAACCAAGCTGT GCGGATGACGGGCGACAGCTCAACAACCTGGCTGACTCCATTGAGGAGGGAACCATGCTT CCTGAGCTCGTGGAGTCAATTAAGAGTTGTGGAAGGATGGTGGGGTGAAGCCTGCTTC GAGAGAGCTGCAGAATACCAGCTTAATGACTCCGCATCTACTACCTGAACCAATTAGAA CGAATTACAGACCCTGAGTACCTCCCTAGTGAGCAAGATGTGCTCCGATCCAGAGTCAAA ACCACAGGCATCATTGAAACCAAGTTTTCCGTCAAAGACTGAATTTCAAGATGTTTGAT GTGGGAAGGCAA
Restriction Sites:	Please inquire
ACCN:	NM_005272
Insert Size:	1352 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.
RefSeq:	NM_005272.2 , NP_005263.1
RefSeq Size:	1516 bp
RefSeq ORF:	1065 bp
Locus ID:	2780
UniProt ID:	P19087
Cytogenetics:	1p13.3
Protein Families:	Druggable Genome

Gene Summary:

Transducin is a 3-subunit guanine nucleotide-binding protein (G protein) which stimulates the coupling of rhodopsin and cGMP-phosphodiesterase during visual impulses. The transducin alpha subunits in rods and cones are encoded by separate genes. This gene encodes the alpha subunit in cones. [provided by RefSeq, Jul 2008]