

## Product datasheet for **SC217016**

### G protein alpha inhibitor 1 (GNAI1) (NM\_002069) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	G protein alpha inhibitor 1 (GNAI1) (NM_002069) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	GNAI1
Synonyms:	Gi
ACCN:	NM_002069
Insert Size:	1921 bp



[View online »](#)

**Insert Sequence:** >SC217016 3' UTR clone of NM\_002069  
 The sequence shown below is from the reference sequence of NM\_002069. The complete sequence of this clone may contain minor differences, such as SNPs. **Red**=Cloning site  
**Blue**=Stop Codon

CAATTGGCAGAGCTCAGAATTCAA**GCGATCGC**

TAATCTAAAAGATTGTGGTCTCTTT**TAAG**TTTTGCAGTTCATGGTAAAATGCATTTTCAAACCAAATGAG  
 TACTTATATATGGATCTCTGTAGACTAGAGTCTTGCAGCAACACAGAATGTAATATAAGGCAAATGCATC  
 TGGGACTTGACCAAAGTTGTTCTGTTTTGTTTTTAACTGAAAGTAACAGAAGGACCTTTCTAAATGT  
 GACAGATGGTCTGCAGTGTGAACTGAAGGACAGTGTAAAGCTGGGCTCTAGTATATTGATGATTTCT  
 GCATAAGTGTAAATATGCAAATGTATGTATACATGATTTATGACTTTAGTTTTCGACATTATTTTTAGG  
 TTTTAAGAGTGGCAACTTAGGATTTTAGGGTATGGCTTTGGAAATAACATAAAATACCTTGACTGAA  
 TGACAGACTATTACTACGTTTGGCAGTTTTAACAGCTTTATTTATGTTTCATGCCTGTAAATTTTTAAG  
 TACAGTAATTAATATTAGGAAACATTACAGCCCTTATCTAGATTATATGTATACTTGTATTAATAAAAAAT  
 GTTATTTGTACAAACATTGCACAGACTATTTAATAACATGATTTGTTCTTTAAATTTTATGTGTTTTAT  
 TGAAATGTTCTTAAGATGAATACACCTGCCCTTTGGATCAACTATTTAAACATTGTATGCATTTTGATTTT  
 TCCTACTTTAAGAAAAATAAATTTAATTTTACATTAGATTCCACGTTAGATTTGGTTTGAAAAACTA  
 AAATTTTCAAGTTTCTGAGGATATACTGTCTTAGACTTATTGTACACACTTAGTTTTTATCACTTGTTTT  
 CACTCTGAATTTAATATTTGGCTGATATGAATGCATTGCCTCAAAGGTGATGCATCTTAATTTTTATT  
 CACTTTAATAACTACATTTTTGTTTATAACTAAGTTTGGAGGGATCCTAAGAGCATTTTTGTGGGTAAA  
 AAAAAACCTGTGGACATAATGAATTTTGGACATTGATTGGTGGGCTTTTATTTCCCTTGAGGAGTCT  
 CTTGTACCTAGCATACATGATAGCTCCTTGTGGGAAGATAACAAGAAGGATCTTTGAATACTCTATTGC  
 TGATATAATGCAAGATTTAAATTTATACATATAACTAATTTCAAATGTAATTATCACACTATGTTAAAAT  
 TACTTTTTTCCCTTAGATAAATCAAATTTCTCCACTTGCTTGAGATTATATCATTCTTTTTCAATTATA  
 CTATTTTCTGAGAATGAAATGGACGATTACACTTAGAAAAATGAGTAATAGTGTTTAATAAGTCAGTGA  
 TTATATGTGTGCTCAAATAAGTGTATGTATCAGCTAGATACTGAGCTTTGATAGAATAATTTCTTTTG  
 ATTATTCATGATGTGCATCTCTGACCTGTTTTAGCAAAGTAAACAGCACTCCCAACCCACCCTCCTT  
 TTTTACTCATCTTGAAAAAGTTAGTCTTTCAGTACACGTTGCTGGTAAAGTAGTTTCCAAGTTACGTGT  
 TGTCACTGGGTGAAGTATATTTGT  
 TCATATCTGTTTCATTTGGAGGATTTTCTTCTTTGTAATGTAAAGAAATTCAAAGTTATCAAAGTTCCCT  
 AAATGTGTTAGTTTAGATTCTTTATGTGCCCTTTCATGAAAGATATGTTTTCAATTTTACTGGTGGAC  
 CTGTAATATCCACATTGTGAAGCTGTGTATGAAATTCAACTATAATATGAATAAATTTGAATCATGAGAA  
 TTATGGGTTAAAAAGCCACAAAGAAGCACATTTGGTGACCATCATTAATGAAATCCTGAACTTTATTCT  
 GTGTAATTGTGTTAATAAATCCTAATAAAT

**ACGCGT**AAGCGCCGCGGCATCTAGATTCAAGAAAATGACCG

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_002069.5](#)

**Summary:** Guanine nucleotide binding proteins are heterotrimeric signal-transducing molecules consisting of alpha, beta, and gamma subunits. The alpha subunit binds guanine nucleotide, can hydrolyze GTP, and can interact with other proteins. The protein encoded by this gene represents the alpha subunit of an inhibitory complex. The encoded protein is part of a complex that responds to beta-adrenergic signals by inhibiting adenylate cyclase. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jan 2012]

**Locus ID:** 2770