

Product datasheet for **SC310168**

GGA3 (NM_014001) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GGA3 (NM_014001) Human Untagged Clone
Tag:	Tag Free
Symbol:	GGA3
Vector:	<u>pCMV6 series</u>



[View online »](#)

Fully Sequenced ORF: >NCBI ORF sequence for NM_014001, the custom clone sequence may differ by one or more nucleotides

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ATGGCGGAGGCGGAAGGGGAAAGCCTGGAGTCCTGGCTCAATAAAGCCACCAATCCTTCC
AACCGCCAGGAGGACTGGGAATACATAATTGGCTTCTGTGATCAGATCAACAAGGAGCTG
GAAGGGCCACAGATCGCCGTCCGACTGCTGGCCACAAGATCCAGTCCCCACAGGAATGG
GAGGCGCTCCAGGCCCTGACGTACCTGGGGACAGGGTGTCTGAGAAAAGTGAAGACCAAG
GTTATTGAGCTGCTGTACAGCTGGACCATGGCCCTGCCAGAAGAAGCAAAGATCAAAGAC
GCCTACCACATGCTGAAGAGACAGGGCATAGTGCAGTCTGACCCACCAATTCCTGTGGAT
AGGACGCTGATCCCTCTCCACCACCTCGTCCAAAAACCTGTTTTTGTATGATGAGGAG
AAGTCCAAGCTTTTAGCCAAGCTGCTGAAAAGCAAAAACCCAGATGACCTGCAGGAGGCC
AACAAAGCTCATCAAGTCCATGGTGAAGGAAGACGAGGCACGGATCCAGAAGGTGACCAAG
CGTCTGCACACGTTAGAGGAAGTTAACAAACAGTGAAGTCTGAGTCAAGTGTGATGCTGCTT
CATTACAGCCAGGAGGACTCTTCGGACGGGGACAGAGAGCTGATGAAGGAGCTGTTTGTAT
CAGTGTGAGAACAAGAGGCGGACTTTATTTAAACTCGCCAGTGAAGTCAAGTCAACTTTAC
AACAGTTTGGGGACATCCTGCAAGCCAGTGACAACCTCTCCCGGTTCATCAACTTTAC
AAAACAATTATTGAAGGGCAGGTCAATGGCGAGGTGGCTACCTTAACCTGCCTGAC
TCGGAAGGAAACAGTCAAGTGCAGTAACCAAGGCACGCTCATCGACCTTGGGAGCTGGAC
ACGACCAACAGTTTGTCTCCGTGTTGGCCCCAGCACCTACTCCACCCTCCTCAGGCATC
CCAATCCTCCCTCCACCACCCAGGCCTCAGGACCTCCACGGAGCCGCTCCTCTAGCCAG
GCCGAGGCCACCTGGGGCCAGCAGCACAAAGCAACGCCCTCCTCGGCTGGACGAGGAG
CTACTCTGCTTGGGCCTCGCCGACCCAGCCCCTAATGTTCTCCCAAAGAGTCAAGTGGG
AACAGCCAGTGGACCTGCTCCAGAGGGAACAGTCCGACCTGGACTTCTCAGCCCCAGG
CCGGGGACCGCTGCCTGTGGCGCCTCCGATGCTCCTCTGCTCCAGCCCTCAGCCCCCTCC
TCAAGCAGCTCCCAAGCTCCACTGCCGCCTCCCTTCCAGCTCCTGTGGTCCAGCCAGT
GTTCTGCCCCAGTGGGGCTCCTCCTTGTCTTCTACTGGAGTGGCCCCAGCCTTGGCC
CCAAAAGTTGAGCCCGCAGTCCCTGGGCACCATGGCTTGGCGTTGGGCAACAGCGCGCTG
CACCACCTGGATGCCCTCGATCAGTCTTCTAGAAGAGGCCAAAGTACCTCGGGCTTGGT
AAACCCACTACCTCCCCTCTCATCCCCACCACCCAGCCAGGCCCTCCTGCCCTTC
TCCACGGGGCCCGCAGCCCGCTCTTCCAGCCACTGAGTTTCCAGTCCAGGGCAGCCCC
CCGAAGGGGCTGAGCTCCTCGCCAGCATCCAGTGGCCCTGGAATCGATCAAGCCT
AGCAGTGCCTTCTGTGACAGCTACGATAAAAACGGCTCCGCATCCTTCCACTTT
GCCAAGGAGTGTCCCCAGGACGACCTGACGTGCTGGTGGTGGTGGTGGTCCATGCTGAAC
ACGGCTCCCTTACCTGTCAAGAGCATCGTGTGCAGGCTGCAGTGCCCAAGTCAATGAAA
GTGAAGTTGCAGCCACCTTCTGGGACAGAAGTCTCTCCATTTAGCCCCATCCAGCCACCT
GCAGCCATCACCCAGGTGATGTTGCTGGCCAACTCACTGAAGGAGAAGGTGCGGCTTCGG
TATAAGCTGACCTTCGCCCTGGGGGAGCAGCTGAGCACAGAGGTGGGCGAGGTGGACCAG
TTCCCTCCTGTGGAACAGTGGGGAAACCTATGA

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Restriction Sites: Please inquire

ACCN: NM_014001

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_014001.2</u> , <u>NP_054720.1</u>
RefSeq Size:	3761 bp
RefSeq ORF:	2073 bp
Locus ID:	23163
UniProt ID:	<u>Q9NZ52</u>
Cytogenetics:	17q25.1
Domains:	VHS, GAT, Alpha_adaptinC2
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome
Gene Summary:	<p>This gene encodes a member of the Golgi-localized, gamma adaptin ear-containing, ARF-binding (GGA) family. This family includes ubiquitous coat proteins that regulate the trafficking of proteins between the trans-Golgi network and the lysosome. These proteins share an amino-terminal VHS domain which mediates sorting of the mannose 6-phosphate receptors at the trans-Golgi network. They also contain a carboxy-terminal region with homology to the ear domain of gamma-adaptins. Multiple alternatively spliced transcript variants have been identified in this gene. [provided by RefSeq, Feb 2010]</p> <p>Transcript Variant: This variant (short) lacks an alternate in-frame exon in the 5' coding region, compared to variant long, resulting in an isoform (short) that is shorter than isoform long.</p>