

Product datasheet for **SC320572**

GGA1 (NM_001001560) Human Untagged Clone

Product data:

| | |
|---------------------------|------------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | GGA1 (NM_001001560) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GGA1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC (PS100020) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >OriGene sequence for NM_001001560.1
 TGGGGCCCGTGGCGGATGGAGCCCGCATGGAGCCGGAGACTCTGGAGGCGCAATCAA
 TAGAGCCACGAACCCCTGAACAAGGAGCTCGACTGGCCAGCATCAACGGCTTCTGCGA
 GCAGCTCAACGAGGACTTTGAGGGGCTCCACTCGCCACCCGGCTGCTGGCCACAAGAT
 CCAAGTCCCCACAGGAGTGGGAGGCGATCCAGGCCTTGACGGTCTGGAACATGCATGAA
 GAGCTGCGGCAAGCGGTTCCACGACGAAGTGGCAAGTTCGCTTCTCAACGAGCTCAT
 CAAGTCTGTCTCCCAAGTATCTGGGCTCTCGGACATCGGAGAAGGTGAAGAACAAGAT
 CTTGGAGCTCCTCTACAGCTGGACAGTGGGCTGCCCCGAGGAGGTGAAAATCGCAGAGGC
 CTACCAGATGCTAAAGAAGCAGGGGATTGTAAAGTCCGACCCCAAGCTTCCAGATGACAC
 TACCTTTCCCTTCTCTCCACGGCCGAAGAATGTGATCTTTGAAGATGAGGAGAAATC
 CAAGATGCTGGCCCGCTGCTGAAGAGCTCCCATCCCAGACCTCCGCGCAGCCAATAA
 GCTCATCAAAGAGATGGTGCAGGAGGACCAGAAGCGGATGGAGAAGATCTCGAAGAGGT
 GAATGCCATCGAGGAGGTGAACAACAATGTGAACTGCTCACGGAGATGGTATGAGCCA
 CAGCCAGGGCGGCGCAGCAGCTGGCAGCAGCGAGGACCTCATGAAGGAATGTACCAGCG
 CTGTGAGCGGATGCGGCCACGCTCTTCCGACTGGCGAGTGACACAGAGGACAATGATGA
 GGCTTAGGCCTCAGTGACCCACACCCCTTACGGCCCAAGCCTGGATGGTACCGGATG
 GAACAGCTTCCAGTCGTGGATGCCACTGAGCCCCAGCCCTGCTCTGGCCAGGCCCC
 CAGTATGGAAAGCCGACCCACAGCGCAGACATCCCTGCCAGCAAGCAGCGGTCTGGACGA
 CCTAGACCTCCTGGGGAAGACCTCCTGCAGCAGTCGCTGCCCCCGAATCCCAGCAAGT
 GCGGTGGGAGAAGCAGCAGCCAACCCCGGCTCACACTCCGGGACCTGCAGAATAAGAG
 CAGCAGCTGCAGTCCCCAGCTCCAGCGCCACCAGCCTTCTCCACCCGTGTCGCCAGA
 GCCCCCCAGGCCCTCCGCAGCAGCCGTAACAACCGAGCTCTACTGGCCAGCATCACTGT
 GCCCTGGAGTCCATCAAACCCAGCAACATCCTGCCCCGACTGTGTATGACCAGCAGCG
 CTTCCGCATCCTTCCATTTTCCCGGACCCACTGCCAGGGCGCTCCGACGTGCTGGT
 GGTGGTGGTTTCCATGCTGAGCACCGCCCCCAGCCCATCCGCAACATCGTGTCCAGTC
 AGCTGTCCCCAAGGTTATGAAGGTGAAGCTGCAGCCACCCTCGGGCAGGAGCTGCCAGC
 TTTTAACCCCATCGTCCACCCCTCAGCAATCACCCAGGCTCTGCTGCTTGCCAACCCCA
 GAAGGAGAAGGTTTCGCTCCGCTACAAGCTCACCTTACCATGGGTGACCAGACCTACAA
 CGAGATGGGGATGTGGACCAGTCCCCCACCTGAAACCTGGGGTAGCCTCTAGAACAG
 AGGGCTGGGGAGAGGAAGGGCCAGAGGGACCGTCACTGTCCAGCCTGGAGGGAGGCAT
 TGGTGGCCAAGGACACCCCTTGTGCCCCATGGCCATTACCCCCAGGCCCTGGTGTCTC
 CCCACACCCCTGTAGGCCTCAAGTGACTTCCCCCTCCTGCTCCGGCCCCGCCCTGCT
 GAGCCAAACCCAGTAGGAGGCTGGGCTGGGTTTGTGCCGCTGGGGTCTCCATCACCGGG
 ACCTGGAGAGGGAGGGGCTGTGTAGCCTTGAAGAAGTGGGTGATGGGGAGGAAGCACA
 GCTGTTGGGGAAGGGCCAGGACCTCAGGCCAGCCCCAACCCAGCTGGGGTGGGGTCTT
 CCCACCTGTCTTATGCCTTATGGGAAGGCCAGCCATAACTCGGGGGCCATGCTCGA
 GCTGGGGACCAGCTTAGGCCTCCTCCATAGGAACCCAGTACTGGGGGTGACGCTACA
 CCCCCAGCTATTTGACTCTGGTGTGTGGTTTGACTCTGCTTTTCTTCCGGATTGGCCCT
 GTGGTCACAGCCTCAGGGGGCCAGGCTGGGGGAACCTCACCTGGCCCGTACTCCTGGGG
 TTTCCCTTTGCCATTGGGCCCTGAGGGACTGTGGGGGCTCAAGGGTAATGCCAGAGGC
 CCATGGCCCCAGCGAGGGCTGTGGGGACCTAGAGTTCTCGGTGTGTCTCCTTCATTCA
 TTGGCCTCTGCTGGGCCTCCTATGGGTGCTTACGTCTGTCCATCCATCTGTCCGTGGT
 CAGAAGTGGGGTCAAGTGTGTGAGTGAGAGCAGGAGTATTTATGAAAATAAACGTCGTTT
 TTCCTGGAAAAA

Restriction Sites: Please inquire
ACCN: NM_001001560

| | |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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_001001560.1</u> , <u>NP_001001560.1</u> |
| RefSeq Size: | 2898 bp |
| RefSeq ORF: | 1659 bp |
| Locus ID: | 26088 |
| UniProt ID: | <u>Q9UJY5</u> |
| Cytogenetics: | 22q13.1 |
| 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) protein family. Members of this family are 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 encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) lacks 2 in-frame exons in the coding region, as compared to variant 1. The encoded isoform 2 thus lacks an internal segment, as compared to isoform 1.</p> |