

Product datasheet for SC123520

GGA1 (BC029388) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GGA1 (BC029388) Human Untagged Clone
Tag:	Tag Free
Symbol:	GGA1
Synonyms:	ADP-ribosylation factor binding protein 1; gamma-adaptin related protein 1; golgi associated, gamma adaptin ear containing, ARF binding protein 1; OTTHUMP00000028975; OTTHUMP00000042200
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC029388 edited

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GTGCCGAGGCTGGGGGCCGTTGGCGGATGGAGCCCGCATGGAGCCGGAGACTCTGGAGG
CGCGAATCAATAGAGCCACGAACCCCTGAACAAGGAGCTCGACTGGGCCAGCATCAACG
GCTTCTGCGAGCAGCTCAACGAGGACTTTGAGGGGCCTCCACTCGCCACCCGGCTGCTGG
CCCACAAGATCCAGTCCCACAGGAGTGGGAGGCGATCCAGGCCCTTGACGGTGAGAAGGG
GAGAGGCCACCATCCGTCCCCGCCATGTGACGACACCAAGGGAGGCCAAGACTGAGGTT
CTTGGGGTCCATAAAGGCTCTTCAGAGCCCAAGAGAGTTGTGCTAAGATGGCCCAGGATGG
AGGTCCGGGCCTGCCCAAGGGTCCCACCACAGCCAGCGGGCTGGCCTCCCACCCAGCA
TCCATACACGTAGGCCTGTTGCTGAGGGAAGGCCCTCTAGGGTCATCTGGTCCAGGGTT
CTTTGCTTCAGCTGCACATCGGCTGCCTCTCCAGGAAGCGTGTTCAACACATGGAATCAG
GGCTCCACCCAGACCTGCCGAGGCCACACTCCTGGAGTATCTGCATCCAGAGATCTGCAC
GTTTGTAAAGCTAAGGGGTGGTGTGGCTCAGGCCTGAGGTTTTGCATCTGTTCAATA
GCAGAGGAGAGAGGGGTGTACTGCCTGTGGCCCCAGCATGGGCCACATACCAACCCACC
ATGGAGCAAAGCTGATTTTAAGTGGTGGTAGAGATACAGTTTCTCTTTAATACTTACGT
GTTTAGTTGGGTGCAGTGGCTTATACCTGTAATTTAGCAGTCTGGGGAGGCCAAGGCAGG
AGGCTTGCTTGAGCAAGGAGTTCAAGGCTACAGTGAGCTATGATTGTGCCACTGTACTC
CAGACTGGACAACAGAGTGAGACCCATCTCTAAATAAATCATTATTGTTACATATTT
GTTTTAACATTTTTTTCTCAAGTATAACTAGTCCTATGATTTTCATAGATGTAGCTTAGGA
TAAGGCCAAGGTAGATGTTGCCTATATAAGGTTTTTTTAAAAAAGAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC029388 unedited NNAAGTCACATTGTATACATCATTAGGCGCCGATTTCGCCTTACGCCGGGGTGCCGAGGC TGGGGCCCGGTGGCGGATGGAGCCCGCATGGAGCCGGAGACTCTGGAGGGCGGAATCAA TAGAGCCACGAACCCCTGAACAAGGAGCTCGACTGGGCCAGCATCAACGGCTTCTGCGA GCAGCTCAACGAGGACTTTGAGGGGCTCCACTCGCCACCCGGCTGCTGGCCACAAGAT CCAGTCCCCACAGGAGTGGGAGGCGATCCAGGCCTTGACGGTGAGAAGGGGAGAGGCCAC CATCCGTCCCCCGCCATGTGACGACACCAAGGGAGGCCAAGACTGAGGTTCTTGGGGTCC ATAAGGCTCTTACAGAGCCAAGAGAGTTGTGCTAAGATGGCCAGGATGGAGGTCCGGGC CTGCCCAAGGGTCCACCACAGCCAGCGGGCTGGCTCCACCCAGCATCCATACACG TAGGCCTGTTGCTGAGGGAAGGCCCTCTAGGGTATCTGGTCCAGGGGTTCTTTGCTTCA GCTGCACATCGGCTGCCTCTCCAGGAAGCGTGTCAACACATGGAATCAGGGCTCCACCC AGACCTGCCGAGGCCACACTCCTGGAGTATCTGCATCCAGAGATCTGCACGTTTGTAAAG CTANAGGGTGGTCTTGGGCTCAAGCCTGAGGTTTTGCATCTGTTCAATAGCAGAGGAGA GAGGGGTGACTGCCTGTGGCCCCACATGGGCCACATACCAACCCACCATGGAGCAAAG CTGATTTTAAGTGGTGGTAGAGATACAGTTTCTCTTTTATACTTACGTGTTTAGTTGGGT GCAGTGGCTTATACCTGTAATTTACACTTGGGGGAGGCCAATGCAGATGCTT
Restriction Sites:	Please inquire
ACCN:	BC029388
Insert Size:	1095 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:	BC029388.1 , AAH29388.1
RefSeq Size:	1095 bp
Locus ID:	26088
Cytogenetics:	22q13.1
Protein Families:	Druggable Genome
Protein Pathways:	Lysosome

Gene Summary:

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]