

Product datasheet for **SC125859**

GPAA1 (BC006383) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPAA1 (BC006383) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPAA1
Synonyms:	anchor attachment protein 1 (Gaa1p, yeast) homolog; GAA1; glycosylphosphatidylinositol anchor attachment 1; glycosylphospha; glycosylphosphatidylinositol anchor attachment protein 1; GPAA1P anchor attachment protein 1 homolog; GPI transamidase subunit; hGAA1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for BC006383 edited
 GTGGGCACCGCGCGGTAGTTGGAGGCGGGAGAGGGTCCGTAGCCGCGCCGCCCTGCCCC
 GCCATGGGCTCCTGTGCGACCCGGTTCGCCGGCGCGCTCGCCCGCCTAGTGTGCGC
 CTCAACGCGCCGTTGTGGGCTCTGCCAGTGGCCTGGCTTGAACGGACGATGCGGTGAGTA
 GGGCTGGAGGTCTACACGCAGAGTTTCTCCCGAAACTGCCCTTCCAGATGAGACCCAC
 GAGCGCTATATGGTGTGCGGCACCAACGTGTACGGCATCCTGCGGGCCCCGCGTGTGCC
 AGCACCCAGTGTGCTGCGACTGGCTGCCACTTCCGGGGGAGATTATTGGGCCAAAGAT
 ATCGTCTTCTGGTAACAGAACATGACCTTCTGGGCACTGAGGCTTGGCTTGAAGCTAC
 CACGATGTCAATGCTACTGGCATGCAGTCGTCTCCCTGCAGGGCCGAGCTGGGGCCATT
 CAGGCAGCCGTGGCCCTGGAGCTGAGCAGTGATGTGGTACCAGCCTCGATGTGGCCGTG
 GAGGGGCTTAACGGGCAGCTGCCAACCTTGACCTGCTCAATCTTCCAGACCTTCTGC
 CAGAAAGGGGGCTGTTGTGCACGCTTCAGGGCAAGCTGCAGCCCAGGACTGGACATCA
 TTGGATGGACCGCTGCAGGGCTGCAGACACTGCTGCTCATGGTTCTGCGGCAGGCCTCC
 GGCCGCCCCACGGCTCCATGGCTCTTCTGCGCTACCGTGTGGAGGCCCTAACCTG
 CGTGGCATCAATAGCTTCCGCCAGTACAAGTATGACCTGGTGGCAGTGGGCAAGGCTTTG
 GAGGGCATGTTCCGCAAGCTCAACCACCTCTGGAGCGCTGCACCAGTCTTCTTCTCTC
 TACTTGTCCCCGGCCTCTCCCGTTCTGCTCCATCGGCCTTACATGCCCGCTGTGCGC
 TTCTTGTCTCTGGTCTTGGTCTCAAGGCTCTGGAAGTGTGGATGCAGCTGCATGAGGCT
 GGAATGGGCTTGGAGAGCCCGGGGTGCCCTGGCCCAAGTGTACCCCTTCCCCATCA
 CAGGGTGTGGGCTGGCTCGCTCGTGGCACCTGCTGATCTCAGAGCCATGGGACTG
 GCCCTCTATGCTCTGCCAGTGTGGCCAACACGTTGCCACCCAGCACTTCCAGTGGCA
 GAGGCTGAGGCTGTGGTGTGACTGCTGGCGATTTATGCAGCTGGCCTGGCCCTGCC
 CACAATACCCACCGGGTGGTAAGCACACAGGCCCCAGACAGGGGCTGGATGGCACTGAAG
 CTGGTAGCCCTGATCTACCTAGCACTGCAGCTGGGCTGCATCGCCCTACCAACTTCTCA
 CTGGGCTTCTGCTGGCCACCACCATGGTGCCCACTGCTGCGCTTGCCAAGCCTCATGGG
 CCCCCGACCCTCTATGCTGCCCTGCTGGTGTGACCAGCCCGCAGCCACGCTCCTTGGC
 AGCCTGTTCTGTGGCGGAGCTGCAGGAGGCCCACTGTCACTGGCCGAGGGCTGGCAG
 CTCTTCTGCGCAGCGCTAGCCCAGGGTGTGCTGGAGCACACACCTACGGCGCCCTGCTC
 TTCCCACTGCTGTCCCTGGCCCTTACCCTGCTGGCTGCTTTTCTGGAATGTGCTTTC
 TGGAAAGTGAATCTGCCTGTCCGGGCTGGGACAGAGACTCCCCAAGGACCCATTCTGCC
 TCCTTCTGGGAAATAAATGAGTGTCTGTTTTCAGCAGCTAAAATAAAAAAAAAAAAAAA
 AA

5' Read Nucleotide Sequence: >OriGene 5' read for BC006383 unedited
 NAAGTACGAATTTTGTAAATACGACTCACTATAGGCGGACCGGAATTCGCACGAGGGTGG
 GCACCGCGGCGGTAGTTGGAGGCGGGAGAGGGTCCGTAGCCGCGCCGCCCTGCCCGCCA
 TGGGCTCCTGTGCGACCCGGTTCGCCGGCGCGCTCGCCCGCCTAGTGTGCGCCTCA
 ACGCGCCGTTGTGGGCTCTGCCAGTGGCCTGGCTTGAACGGACGATGCGGTGAGTGGGC
 TGGAGGTCTACACGCAGAGTTTCTCCCGAAACTGCCCTTCCAGATGAGACCCACGAGC
 GCTATATGGTGTGCGGCACCAACGTGTACGGCATCCTGCGGGCCCCGCGTGTGCCAGCA
 CCGAGTCGCTTGTGCTACCGTGGCCTGTGGCTGCTACTACCAACAGCCAGGCTGTGG
 GGCTGCTGCTGGCACTGGCTGCCACTTCCGGGGGAGATTATTGGGCCAAAGATATCG
 TCTTCTGGTAACAGAACATGACCTTCTGGGCACTGAGGCTTGGCTTGAAGCCTACCAGC
 ATGTCAATGCTACTGGCATGCAGTCGTCTCCCTGCAGGGCCGAGCTGGGGCCATTACAG
 CAGCCGTGGCCCTGGAGCTGAGCAGTGATGTGGTACCAGCCTCGATGTGGCCGTGGAGG
 GGCTTAACGGGCAGCTGCCAACCTTGACCTGCTCAATCTTCCAGACCTTCTGCCAGA
 AAGGGGGCTGTTGTGCACGCTTCANGGCAAGTGCAGCCGAGGACTGGACATCATTGG
 ATGGACCCTGCNAGGCCTGCAGACACTGCTGCTCATGGTTCTGCGGCAGGCCTCCGGCC
 GCCCCACGGCTCCATGGCCTTCTNCTGCGCTACCGTGTGGAGGCCCTAANCCTGCGTG
 GGCATCATAGCTTCCGCCAGTACAAGTATGACA

Restriction Sites: Please inquire

ACCN:	BC006383
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:	BC006383.2 , AAH06383.2
RefSeq Size:	1862 bp
Locus ID:	8733
Cytogenetics:	8q24.3
Protein Families:	Transmembrane
Protein Pathways:	Glycosylphosphatidylinositol(GPI)-anchor biosynthesis, Metabolic pathways
Gene Summary:	Posttranslational glycosylphosphatidylinositol (GPI) anchor attachment serves as a general mechanism for linking proteins to the cell surface membrane. The protein encoded by this gene presumably functions in GPI anchoring at the GPI transfer step. The mRNA transcript is ubiquitously expressed in both fetal and adult tissues. The anchor attachment protein 1 contains an N-terminal signal sequence, 1 cAMP- and cGMP-dependent protein kinase phosphorylation site, 1 leucine zipper pattern, 2 potential N-glycosylation sites, and 8 putative transmembrane domains. [provided by RefSeq, Jul 2008]