

Product datasheet for **SC303695**

GPA33 (NM_005814) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPA33 (NM_005814) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPA33
Synonyms:	A33
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 NM_005814 edited
 CTACCCCTTTGTGAGCAGTCTAGGACTTTGTACACCTGTTAAGTAGGGAGAAGGCAGGGG
 AGGTGGCTGGTTAAGGGGAAGTTGAGGGAAAGTAGGGAAGACTCCTCTTGGGACCTTTGG
 AGTAGGTGACACATGAGCCCAGCCCAGCTCACCTGCCAATCCAGCTGAGGAGCTCACCT
 GCCAATCCAGCTGAGGCTGGGCAGAGTGGGTGAGAAGAGGGAAAATTGCAGGGACCTCC
 AGTTGGCCAGGCCAGAAGCTGCTGTAGCTTTAACCAGACAGCTCAGACCTGTCTGGAGG
 CTGCCAGTGACAGGTTAGGTTTAGGGCAGAGAAGAAGCAAGACCATGGTGGGGAAGATGT
 GGCTGTGTTGTGACACTCTGTGCAGTCAGGGTGACCGTCGATGCCATCTCTGTGGAAA
 CTCGCGAGGACGTTCTTCGGGCTTCGCAGGAAAAGAGTGTACCCTGCCCTGCACCTACC
 ACACTTCCACCTCCAGTCGAGAGGGACTTATTCAATGGGATAAGCTCCTCCTCACTCATA
 CGGAAAGGGTGGTCATCTGGCCGTTTTCAAACAAAAACTACATCCATGGTGAGCTTTATA
 AGAATCGCGTCAGCATATCCAACAATGCTGAGCAGTCCGATGCCTCCATCACCATTGATC
 AGCTGACCATGGCTGACAACGGCACCTACGAGTGTCTGTCTCGTGATGTCAGACCTGG
 AGGGCAACACCAAGTCAGTGTCCGCTGTTGGTCTCGTGCCACCTCCAAACCAGAAT
 GCGGCATCGAGGGAGAGACCATAATTGGGAACAACATCCAGCTGACCTGCCAATCAAAGG
 AGGGCTACCAACCCCTCAGTACAGCTGGAAGAGGTACAACATCCTGAATCAGGAGCAGC
 CCCTGGCCAGCCAGCCTCAGGTGAGCCTGTCTCCCTGAAGAATATCTCCACAGACACAT
 CGGGTTACTACATCTGTACCTCCAGCAATGAGGAGGGGACGCAGTTCTGCAACATCACGG
 TGGCCGTGAGATCCTCCTCCATGAACGTGGCCCTGTATGTGGGCATCGCGGTGGGCGTGG
 TTGACGCCCTCATTATCATTGGCATCATCATCTACTGCTGCTGCTGCCGAGGGAAGGACG
 ACAACTGAAGACAAGGAGGATGCAAGGCCGAACCGGAAGCCTATGAGGAGCCACCAG
 AGCAGCTAAGAGAAGTTCCAGAGAGAGGGAGGAGGAGGATGACTACAGGCAAGAAGAGC
 AGGAGGACACTGGGCGTGAATCCCGGACCACCTCGACCAGTGACAGGCCAGCAGCAGAG
 GCGGGCGAGGAAGGGTTAGGGGTTATTCTCCGCTTCTGCGCTCCCTTCTCCTTTCT
 AAGCCCTGTTCTCCTGTCCCTCCATCCCAGACATTGATGGGGACATTTCTCCCCAGTGT
 CAGCTGTGGGAAACATGGCTGGCCTGGTAAGGGGGTCCCTGTGCTGATCCTGCTGACCTC
 ACTGTCTGTGAAGTAACCCCTCCTGGCTGTGACACCTGGTGCGGGCCTGGCCCTCACTC
 AAGACCAGGCTGCAGCCTCCACTTCCCTCGTAGTTGGCAGGAGCTCCTGGAAGCACAGCG
 CTGAGCATGGGGCGTCCACTCAGAATCTCCAGGGAGGCGATGCCAGCCTTGGGGGT
 GGGGGCTGTCTGCTCACCTGTGTGCCAGCACCTGGAGGGGCACCAGGTGGAGGGTTTA
 CACTCCACACATCTTTTGAATGAATGAAAGAATAAGTGAGTATGCTTGGGCCCTGCAT
 TGGCCTGGCCTCCAGCTCCCACTCCCTTTCCAACCTCACTTCCCGTAGCTGCCAGTATGT
 TCCAAACCTCCTGGGAAGGCCACCTCCCACTCCTGCTGCACAGGCCCTGGGGAGCTTTT
 GCCCACACACTTTCCATCTCTGCCTGTCAATATCGTACCTGTCCCTCCAGGCCATCTCA
 AATCACAAGGATTTCTTAACCCATCCTAATTGTCCACATACGTGGAACAATCCTGTT
 ACTCTGTCCCACGTCCAATCATGGGCCACAAGGCACAGTCTTCTGAGCGAGTGCTCTCAC
 TGATTTAGAGCGCCAGCTCCTTGGGGCAGGGCCTGGGCCATGGCTTTTGCTTTCCCTG
 AAGCCCTAGTAGCTGGCCTCCATCCTAGTGGGCACTTAAGCTTAATTGGGGAAACTGCTT
 TGATTGGTTGTGCCTTCCCTTCTGCTCCTTGAGATGATCGTAGACACAGGGATGAT
 TCCCACCAAACCCAGTATTCATTAGTGAAGTTAAACCGAATTGATTTAAAGTGAACA
 CACACAAGGGAGCTTGTGTCAGATGGTCTGAGTCTTGTGTCCTGGTAATTCCTCTCCA
 GGCCAGAATAATTGGCATGTCTCCTCAACCCACATGGGGTTCTGGTTGTTCTGTCATCC
 CGATACCTCAGCCCTGGCCCTGCCAGCCATTTGGGCTCTGGTTTTCTGGTGGGCTGT
 CCTGCTGCCCTCCACAGCCTCCTTCTGTTTGTGAGCATTTCTTCTACTCTTGAGAGCT
 CAGGCAGCGTTAGGGCTGCTTAGGTCTCAT

Restriction Sites: Please inquire
ACCN: NM_005814
Insert Size: 2600 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).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_005814.1.
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_005814.1, NP_005805.1</u>
RefSeq Size:	2793 bp
RefSeq ORF:	960 bp
Locus ID:	10223
UniProt ID:	<u>Q99795</u>
Cytogenetics:	1q24.1
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	The glycoprotein encoded by this gene is a cell surface antigen that is expressed in greater than 95% of human colon cancers. The open reading frame encodes a 319-amino acid polypeptide having a putative secretory signal sequence and 3 potential glycosylation sites. The predicted mature protein has a 213-amino acid extracellular region, a single transmembrane domain, and a 62-amino acid intracellular tail. The sequence of the extracellular region contains 2 domains characteristic of the CD2 subgroup of the immunoglobulin (Ig) superfamily. [provided by RefSeq, Jul 2008]