

Product datasheet for **SC307786**

GPR133 (ADGRD1) (NM_198827) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR133 (ADGRD1) (NM_198827) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR133
Synonyms:	GPR133; PGR25
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_198827 edited
 TTGGCTCCGAGCTTTGACCTCCGAGAGAGCCATGGAAAAGCTGCTGCGGCTGTGCTGCTG
 GTACTCCTGGCTGCTGCTATTTTATTACAACCTTCAGGTGCGTGGCGTCTACTCCAGATC
 GCAGGACCATCCAGGATTTAGGTGTTGGCGTCTGCTTCCCATTACTGGCCACTGGAGAA
 TGTGGATGGGATCCATGAACTTCAGGATACAACGGAGATATTGTGAAGGGAAGGTCAA
 CAAAGGCATTTACCTGAAAGAGGAAAAGGGAGTCACGCTTCTCTATTACGGCAGGTACAA
 CAGCTCCTGCATCAGCAAGCCAGAGCAGTGTGGCCCTGAAGGGGTACGTTTTTTTTTT
 CTGGAAGACACAAGGAGAACAGTCTAGACCAATCCCTTCTGCGTATGGGGACAGGTCAT
 CTCCAATGGGTTCAAAGTCTGCTCCAGCGGTGGCAGAGGCTCTGTGGAGCTGTACACGG
 GGACAATTCCATGACATGGGAGGCCTCCTTACGCCCCAGGCCCTATTGGACTCATGT
 CCTATTTACATGGAAATCCAAGGAGGCCTGAAAGTCTACGTCAACGGGACCCTGAGCAC
 CTCTGATCCGAGTGGAAAAGTGTCTCGTACTATGGAGAGTCCAACGTCAACCTCGTGAT
 AGGGTCTGAGCAGGACCAGGCCAAGTGTATGAGAACGGTCTTTCGATGAGTTCATCAT
 CTGGGAGCGGGCTCTGACTCCGGATGAGATCGCCATGTACTTCACTGCTGCCATTGGAAA
 GCATGCTTTATTGTCTTCAACGCTGCCAAGCCTTTCATGACATCCACAGCAAGCCCGT
 GATGCCACACAGATGCCTACCATCCCATATAACCAACCTGACAGAAGAGAGAAAAACCTT
 CCAAAGTCCCGGAGTGATACTGAGTTACCTCAAATGTATCCCTCAGCTTACCCAGTAA
 GTCCCTCTCGGAGCAGACAGCCTTGAATCTCACCAGACCTTCTTAAAAGCCGTGGGAGA
 GATCCTTCTACTGCCTGGTTGGATTGCTCTGTCAGAGGACAGCGCCGTGGTACTGAGTCT
 CATCGACACTATTGACACCGTATGGGCCATGTATCCTCAAACCTGCACGGCAGCACGCC
 CCAGGTACCCTGGAGGGCTCCTCTGCCATGGCAGAGTTTTCCGTGGCCAAAATCCTGCC
 CAAGACCGTGAATTCCTCCATTACCGCTTCCCGCCACGGGACAGGCTTCATCCAGAT
 CCCCCACGAGGCCTTCCACAGGCACGCCGAGCAGCAGTCCGTGGTCTGCTGTACCACAG
 CATGCACACTACTGAAACAACATCTGGCCCGCCACACCAAGATCGCGGAGGCCATGCA
 TACCAGGACTGCCTGCTGTTCCGACACAGCCCTGATTTCCCTGGAGGTGTCCCACC
 ACCCACCTGTCTCAGAACCTGTGGGCTCTCCACTCATTACGGTCCACCTCAAGCACAG
 ATTGACACGTAAGCAGCACAGTGAAGCCACCAACAGCAGCAACCGAGTCTTCGTGACTG
 CGCCTTCTGGACTTCACTCCGAGAGGGGTCTGGTGAACACGGCTGTGCGCTCAC
 GAGAGGAAACCTCACCTACTCCGCTGCCGCTGCACTCACCTCACAACCTTGGCATCCT
 CATGCAGGTGGTCCCGCTGGAGCTTGCACGCGGACACAGGTGGCGCTGCTGCTATCAG
 CTATGTGGGCTGCTCCCTCTCCGTGCTCTGCTGGTGGCCACGCTGGTCACTTCCCGT
 GCTGTCCCTCCGTGAGCACCATCCGGAACAGCGTACCACATCCACGCCAACCTGTCCCT
 CGCCGTGCTGGTGGCCAGGTCCTGCTGCTCATTAGTTTCCGCCTCGAGCCGGGACGAC
 CCCCTGCCAAGTGATGGCCGTGCTCCTACACTACTTCTTCTGAGTGCCTTCGCATGGAT
 GCTGGTGGAGGGCTGCACCTCTACAGCATGGTATCAAGGTCTTGGGTGGGAGGACAG
 CAAGCACCGTTACTACTATGGGATGGGATGGGGTTTTCTTCTTCTGATCTGCATCATTT
 ACTGTCATTTGCCATGGACAGTTACGGAAACAAGCAACAATTGCTGGTGTGTTGGCGAG
 TGGCGCATCTGGGCTTTGTAGCCCTGCTCTGTTTGTATCGTGGTCAACATTGGCAT
 CCTACCTGCTGTGACCAGAGTCATCTCACAGATCAGCGCCGACAACATAAGATCCATGG
 AGACCCAGTGCCTTCAAGTTGACAGCCAAGGCAGTGGCCGTGCTGCTGCCATCCTGGG
 TACCTCGTGGGTCTTGGCGTGCTGCTGTCAACGGTTGTGCTGTGGTTTTCCAGTACAT
 GTTTGCCACGCTCAACTCCCTGCAGGACTGTTTATTTCTTCTTCTTATTGTCTCCTGAA
 TTCAGAGGTGAGAGCCGCTTCAAGCACAAAACCAAGGTCTGGTCTGCTCACGAGCAGCTC
 CGCCCGCACCTCCAACGCGAAGCCCTTCCACTCGGACCTCATGAATGGGACCCGGCCAGG
 CATGGCCTCCACCAAGCTCAGCCCTTGGGACAAGAGCAGCCACTCTGCCACCGCGTCA
 CCTGTCAGCCGTGTGAGCCGGGAGGCTGCCAACAGGCCAG

Restriction Sites: Please inquire

ACCN: NM_198827

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 open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_198827.2, NP_942122.2</u>
RefSeq Size:	2823 bp
RefSeq ORF:	2625 bp
Locus ID:	283383
UniProt ID:	<u>Q6QNK2</u>
Cytogenetics:	12q24.33
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<p>The adhesion G-protein-coupled receptors (GPCRs), including GPR133, are membrane-bound proteins with long N termini containing multiple domains. GPCRs, or GPRs, contain 7 transmembrane domains and transduce extracellular signals through heterotrimeric G proteins (summary by Bjarnadottir et al., 2004 [PubMed 15203201]).[supplied by OMIM, Nov 2010]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).</p>