

Product datasheet for SC316196

GPR34 (NM_001097579) Human Untagged Clone

Product data:

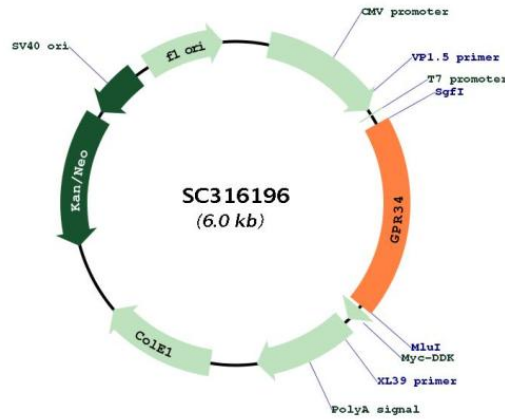
Product Type:	Expression Plasmids
Product Name:	GPR34 (NM_001097579) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR34
Synonyms:	LYPSR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC316196 representing NM_001097579. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGAAGTCATACCATAACAATGACGACAACCTCAGTCAGCAGCTGGCCTTACTCCTCCCACAGAATG
CGCTTTATAACCAATCATAGCGACCAACCGCCACAAAACCTTCTCAGCAACACCAAATGTTACTACCTGT
CCCATGGATGAAAAATTGCTATCTACTGTGTTAACCACATCCTACTCTGTTATTTTCATCGTGGGACTG
GTTGGGAACATAATCGCCCTCTATGATTTCTGGGTATTCACCGTAAAAGAAATCCATTCAAATTTAT
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CAACGGAAGGCAATAACAACCAACAAAGTATTTATGTCTGTTGTATAGTATGGATGCTTGTCTTGGT
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TTTTCAAGGTGAACCAAGTAGGAGTGAAAGCACTTCAGAATTTAAACCAGGATACTCCCTGCATGATACA
TCTGTGGCAGTGAATAACAGTCTAGTTCTAAAAGTACTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001097579

Insert Size: 1146 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: 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:

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: [NM_001097579.1](#)

RefSeq Size: 1938 bp

RefSeq ORF: 1146 bp

Locus ID: 2857

UniProt ID: [Q9UPC5](#)

Cytogenetics: Xp11.4
Protein Families: Druggable Genome, GPCR, Transmembrane
MW: 43.9 kDa

Gene Summary: G protein-coupled receptors (GPCRs), such as GPR34, are integral membrane proteins containing 7 putative transmembrane domains (TMs). These proteins mediate signals to the interior of the cell via activation of heterotrimeric G proteins that in turn activate various effector proteins, ultimately resulting in a physiologic response.[supplied by OMIM, Apr 2006]
Transcript Variant: This variant (4) represents the longer transcript. Both variants 1 and 4 encode the same protein.