

Product datasheet for **SC116807**

GPR34 (NM_005300) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR34 (NM_005300) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR34
Synonyms:	LYPESR1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC116807 sequence for NM_005300 edited (data generated by NextGen Sequencing)

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ATGAGAAGTCATACCATAACAATGACGACAACCTCAGTCAGCAGCTGGCCTTACTCCTCC
CACAGAATGCGCTTTATAACCAATCATAGCGACCAACCGCCACAAAACCTTCTCAGCAACA
CCAAATGTTACTACCTGTCCCATGGATGAAAAATTGCTATCTACTGTGTTAACCATCC
TACTCTGTTATTTTCATCGTGGGACTGGTTGGGAACATAATCGCCCTCTATGTATTTCTG
GGTATTACCAGTAAAAGAAATTCATTCAAATTTATCTACTTAACGTAGCCATTGCAGAC
CTCCTACTCATCTTCTGCCTCCCTTTCCGAATAATGTATCATATTAACCAAAAACAAGTG
ACACTAGGTGTGATTCTGTGCAAGGTTGTGGGAACACTGTTTTATGAACATGTACATT
AGCATTATTTGCTTGGATTTCATCAGTTTGGATCGCTATATAAAAATTAATCGGTCTATA
CAGCAACGGAAGGCAATAACAACCAAAACAAGTATTTATGTCTGTGTATAGTATGGATG
CTTGCTCTTGGTGGATTCTAATATGATTATTTTAACTTAAGAAAGGAGGGCATAAT
TCCACAATGTGTTTCCATTACAGAGATAAGCATAACGCAAAAGGAGAAGCCATTTTAAAC
TTCATTCTTGTGGTAATGTTCTGGCTAATTTTCTTACTAATAATCCTTTCATATATTAAG
ATTGGGAAGAATCTATTGAGGATTTCTAAAAGGAGGTCAAATTTCTAATTTCTGGTAA
TATGCCACTACAGCTCGTAACTCCTTTATTGTACTTATCATTTTTACTATATGTTTTGTT
CCCTATCATGCCTTTTCGATTCATCTACATTTCTCACAGCTAAATGTATCATCTTGTCTAC
TGGAAAAGAAATTTGTTACAAAACCAATGAGATCATGCTGGTCTCTCATCTTTCAATAGT
TGCTTAGATCCAGTCATGATTTTCTGATGTCCAGTAACATTTCGCAAAAATATGTGCCAA
CTTCTTTTGTAGACGATTTCAAGGTGAACCAAGTAGGAGTGAAAGCACTTCAGAATTTAAA
CCAGGATACTCCCTGCATGATACATCTGTGGCAGTGAAAATACAGTCTAGTTCTAAAAGT
ACTTGA
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Clone variation with respect to NM_005300.3



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005300 unedited
 NGGATCCTTGGATTTTGTAAATCCGACTTTATATAGGGCGGCCGCGCATTTCGGCACGAGGG
 TCTAGGGAAGCTTGGGGTTCTGCTCTTTTACTTCAGGCGAACCTGAACTCAGTTAATGC
 AATTTTGAAGCATGCCCTGAATAGATTCAGTCATTATCAAGTCAAATAAAAACGGTGAA
 AGGTTGCGACTATTACCAAATAGGAAAAACCTGAAGACATAAGAACTACACATGAGGAAT
 ATGTCATTTAGCACTTTCACTTTTTGATCTCCACAGAAGACAATGAGAAGTCATACCATA
 ACAATGACGACAACCTCAGTCAGCAGCTGGCCTTACTCCTCCCACAGAATGCGCTTTATA
 ACCAATCATAGCGACCAACCGCCACAAAACCTTCTCAGCAACACCAAATGTTACTACCTGT
 CCCATGGATGAAAAATTGCTATCTACTGTGTTAACACATCCTACTCTGTTATTTTCATC
 GTGGGACTGGTTGGGAACATAATCGCCCTCTATGTATTCTGGGTATTCACCGTAAAAGA
 AATTCCATTCAAATTTATCTACTTAACGTAGCCATTGCAGACCTCCTACTCATCTTCTGC
 CTCCTTTCCGAATAATGTATCATATTAACCAAAAACAGTGGACACTATGTGTGATTCTG
 TGCAAGGTTGTGGGAACACTGTTTTATGAACATGTACATTAGCATTATTTGCTTGA
 TTCATCAGTTGGATCGCTATATAAAAAATTAATCGGTCTATACAGCAACGGAAGGCAATA
 ACAACCAAAAACAAAGTATTTATGTCTGTGTATAGNAAGGGGATGCTTGTCTTGGTAGG
 ATTCTAAACTATGATTATTTAACACTTAAGAAAGGATGGCANTATTCCACATTGTGGT
 TTCCATTACAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005300 unedited
 AATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCCATTTTTAAATTAGGATT
 TTATTAATTATCTTTTCTCTGTATAGAGATTTAGGCTTAAATGAATACAGGGGCAAAT
 TATACAAGATTTTAAAAATGATAAATGAACATATATTTTCTGACACATTGCAGTTCCCAA
 ATCATTACTTTTAAACACACTTCAAATAGTATCAAGGGCTTGATTTTAAATACTACTT
 TAGTCACTTGAAAAACTATGGCACTTTAATTATTTTGTGTTAAAGCCATAAATTTCACT
 TAACCTCATAATCTATGTTAAAAGTATTAGCTTAAAAATGATTTTAAAAAGATTTTACA
 TACAGATTTAAAAGATAGTACCTTGAATGGTTTACAGTTAAGCAAATGAAATATCACAA
 ATCCAAGCAGAGCTTTGAGATCTGAGTTTTGTAATGCTAAAACCTTTGTTTCCATAATTT
 TTAGCTCTTCAAAGAATTAAGAGGCTGCATTATATAATTCATTTTAGTATGTTACCTCA
 AGTACTTTTAGAACTAGACTGTATTTTCACTGCCACAGATGTATCATGCAGGAAGTATCC
 TGGTTTTAAATTTGAAACGCTTTCACTTCACTTGGTTTACCTTGCAATCCTCCAAAAAG
 ACGTCGGCCATTATTTTGGCAATGCTCCGGCCCTCAGGATATCCTGACTGGGTCTAACCA
 CTTTTGGAAGAAGAAACACCCCATGACTCCTTGGGTTTTCGGACAACCTTTTTTCAGTTCAA
 CATGACCTTTAACCTGGGAAAAATGTCATGATTCCAAGGGCTTGATGGAACAAAACCTTTG
 TAAAATGTGTAGCCCTAAACGGTGCCCACTCGTGGGCCCTTTTACCCAATAGCAATTGCA
 CCCCTTTTAAAAACCCATAAACTTCCGCCCTTATATTGAAGGTTTATTTAAAACTCCTTA
 CATTCCCCAAAGAGCTAAAGGGCCCTTGGACAGCCACCCGAG

Restriction Sites:

NotI-NotI

ACCN:

NM_005300

Insert Size:

1920 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:	<u>NM_005300.2, NP_005291.1</u>
RefSeq Size:	1845 bp
RefSeq ORF:	1146 bp
Locus ID:	2857
UniProt ID:	<u>Q9UPC5</u>
Cytogenetics:	Xp11.4
Domains:	7tm_1
Protein Families:	Druggable Genome, GPCR, Transmembrane
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) differs in the 5' UTR compared to variant 4. Both variants 1 and 4 encode the same protein.</p>