

Product datasheet for **SC306667**

GPR113 (ADGRF3) (NM_153835) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GPR113 (ADGRF3) (NM_153835) Human Untagged Clone
Tag:	Tag Free
Symbol:	GPR113
Synonyms:	GPR113; PGR23
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306667 representing NM_153835. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCTGTTGCGCTGCCCACTGCTGCTCCTGGCCACAACCTCTCCCTGCTGGGGTACCAGTTGCC
CAAGCATCCCAACCTGTAAGTGAGACTGGGGTGGAGCCAGGGAAGTCTGCAGAGGCGACAATGGGGA
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TACCAGTGAACACCAGCATCTGCCTCCATTACCCTCCTTGTCAAAGCCTCCACAACCACCAGCCTTGT
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ATCCTGGCACAGCTGCCAGGGCAGGCGGCAGAGGCAAGTTCACCCTCCGACTTACTGACCCTGCTGAGC
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GGCGTCTTATCCTATTGTTGGTTGCCTCATGGACAGGAAGATACAAGAAGCTTTCGCAAACGCTTC
TGCCGCGCCCAAGCCCAAGCTCCACCATCTCCCTGGTGGTGTGCTGCCTTCAGATCCTCAGCTGTGCA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
    
```

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_153835
- Insert Size:** 3240 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_153835.1](#)

RefSeq Size: 4133 bp

RefSeq ORF: 3240 bp

Locus ID: 165082

UniProt ID: [Q8IZF5](#)

Cytogenetics: 2p23.3

Protein Families: Druggable Genome, Transmembrane

MW: 116.3 kDa

Gene Summary: Orphan receptor.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (3) has alternate 5' and 3' sequences and lacks two internal in-frame coding exons, as compared to variant 1. The resulting isoform (3) has shorter and different N- and C-termini and lack an internal segment, as compared to isoform 1. CCDS Note: There is only one full-length mRNA, AY358172.1, that supports this CCDS splice variant although it is different at the 3' end. The 3' end of AY358172.1 would cause it to be an NMD candidate. The 3' end is supported by BC043211.1, AK122995.1 and AY358214.1 although these have extra internal exons that are not in the RefSeq. Mouse ESTs, BB730166.1 and BB728829.1, support the 3' end. Human ESTs, BI559800.1, DC308501.1, and BX118758.1, show support for some splice sites but also include additional exons. The protein encoded by this CCDS contains intact PFAM Latrophilin/CL-1-like GPS (GPS) and the 7 transmembrane receptor (Secretin family) (7tm_2) domains. Given the current evidence at this locus, this is the best variant that can be represented; this could change with future transcript evidence. It seems that a combination of AY358172.1 5' and 3' ends and the inclusion of the extra AY140955.1 exons in the middle could also create a valid splice variant but there is not enough evidence for this at this time.