

## Product datasheet for **SC302039**

### LGR6 (NM\_001017404) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LGR6 (NM_001017404) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGR6
Synonyms:	GPCR; VTS20631
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001017404, the custom clone sequence may differ by one or more nucleotides

```

ATGCGCTTGGAGGGAGAGGGCCGCTCAGCGAGGGCGGGACAGAACCTCTCCCGGGCTGGGAGTGACCGG
GCGGTGCGCCCAGGGACCTCAGCATGAACAACCTCACAGAGCTTACGCTTGGCCTCTCCACCACCTGCG
CTTCTTGGAGGAGCTGCGTCTCTGGAACCATCTCTCACACATCCAGGACAAGCATTCTCTGGTCTC
TACAGCCTGAAAAATCCTGATGCTGCAGAACAAATCAGCTGGGAGGAATCCCGCAGAGGCGCTGTGGGAGC
TGCCGAGCCTGCAGTCGCTAGACCTGAATTATAACAAGCTGCAGGAGTTCCTGTGGCCATCCGGACCCT
GGGAGACTGCAGGAACTGGGGTTCCATAACAACAACATCAAGGCCATCCAGAAAAGGCCTTCATGGGG
AACCTCTGCTACAGACGATACACTTTTATGATAACCCAATCCAGTTTGTGGGAAGATCGGCATTCCAGT
ACCTGCCTAAACTCCACACACTATCTCTGAATGGTGCCATGGACATCCAGGAGTTTCCAGATCTCAAAGG
CACCACCAGCCTGGAGATCCTGACCCTGACCCGCGCAGGCATCCGGCTGCTCCCATCGGGGATGTGCCAA
CAGCTGCCAGGCTCCGAGTCTGGAAGTGTCTACAATCAAATTGAGGAGCTGCCAGCCTGCACAGGT
GTCAGAAAATTGGAGGAAATCGGCCTCAACACAACCGCATCTGGGAAATTGGAGCTGACACCTTCAGCCA
GCTGAGCTCCCTGCAAGCCCTGGATCTTAGCTGGAACGCCATCCGGTCCATCCACCCGAGGCGCTTCTCC
ACCCTGCACTCCCTGGTCAAGCTGGACCTGACAGACAACCAGCTGACCACACTGCCCTGGCTGGACTTG
GGGCTTGATGCATCTGAAGCTCAAAGGAACTTGTCTCTCCAGGCTTCTCCAAGGACAGTTTCCC
AAAAGTGAAGATCCTGGAGGTGCCTTAGCCTACCAGTGTGTCCTATGGGATGTGTGCCAGCTTCTTC
AAGGCCTCTGGGAGTGGGAGGCTGAAGACCTTACCTTGATGATGAGGAGTCTTCAAAAAGGCCCTGG
GCCTCCTTGCCAGACAAGCAGAGAACCACTATGACCAGGACCTGGATGAGCTCCAGCTGGAGATGGAGGA
CTCAAAGCCACACCCAGTGTCCAGTGTAGCCCTACTCCAGGCCCTTCAAGCCCTGTGAGTACCTCTTT
GAAAGCTGGGGCATCCGCTGGCCGTGTGGCCATCGTGTGCTCTCCGTGCTGCAATGGATGGTGTG
TGCTGACCGTGTTCGCTGGCGGGCTGTCCCCCTGCCCCGGTCAAGTTTGTGGTAGGTGCGATTGCAGG
CGCCAACACCTTGACTGGCATTCTCTGTGGCTTCTAGCCTCAGTCGATGCCCTGACCTTTGGTCAAGTTC
TCTGAGTACGGAGCCCGCTGGGAGACGGGGCTAGGCTGCCGGGCCACTGGCTTCTGGCAGTACTTGGGT
CGGAGGCATCGGTGCTGCTGCTCACTCTGGCCGAGTGCAGTGCAGCGTCTCCGTCTCTGTGTCCGGG
CTATGGGAAGTCCCCCTCCCTGGGAGCGTTCGAGCAGGGGTCTAGGCTGCCTGGCACTGGCAGGGCTG
GCCGCCGCTGCCCTGGCCTCAGTGGGAGAATACGGGGCTCCCCACTCTGCCTGCCCTACGCGCCAC
CTGAGGGTCAAGCAGCAGCCCTGGGCTTACCCTGGCCCTGGTGTGATGAACTCCTTCTGTTTCCCTGGT
CGTGGCCGGTGCCTACATCAAAGTGTACTGTGACCTGCCCGGGGCGACTTTGAGCCGTGTGGGACTGC
GCCATGGTGAAGCAGTGGCCTGGCTCATCTTCGAGACGGGCTCCTCTACTGTCCCGTGGCCTTCCCTCA
GCTTTCCTCCATGCTGGGCTTCTCCCTGTACGCCCCGAGGCCGTCAAGTCTGTCTGCTGGTGGTGTCT
GCCCTGCCTGCCTGCCTCAACCCACTGCTGTACTGCTCTTCAACCCCACTTCCGGGATGACCTTCGG
CGGCTTCGGCCCCGCGCAGGGGACTCAGGGCCCTAGCCTATGCTGCGGCCGGGGAGCTGGAGAAGAGCT
CCTGTGATTCTACCCAGGCCCTGGTAGCCTTCTCTGATGTGGATCTATTCTGGAAGCTTCTGAAGCTGG
GCGGCCCTGGGCTGGAGACCTATGGCTTCCCCTCAGTACCCTCATCTCCTGTGAGCAGCCAGGGGCC
CCCAGGCTGGAGGGCAGCCATTGTGTAGAGCCAGAGGGGAACCACTTTGGGAACCCCAACCTCCATGG
ATGGAGAACTGCTGCTGAGGGCAGAGGGATCTACGCCAGCAGGTGGAGGCTTGTGAGGGGTGGCGGCTT
TCAGCCCTCTGGCTTGGCCTTGTCTTACACAGTGTAA
    
```

**Restriction Sites:** Please inquire  
**ACCN:** NM\_001017404

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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\\_001017404.1](#), [NP\\_001017404.1](#)

**RefSeq Size:** 3041 bp

**RefSeq ORF:** 2487 bp

**Locus ID:** 59352

**UniProt ID:** [Q9HBX8](#)

**Cytogenetics:** 1q32.1

**Protein Families:** Druggable Genome, Transmembrane

**Gene Summary:**

This gene encodes a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane protein superfamily. The encoded protein is a glycoprotein hormone receptor with a large N-terminal extracellular domain that contains leucine-rich repeats important for the formation of a horseshoe-shaped interaction motif for ligand binding. Alternative splicing of this gene results in multiple transcript variants. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (3) contains an alternate in-frame exon in the 5' coding region and uses a downstream start codon, compared to variant 1. The encoded protein (isoform 3) has a shorter N-terminus, compared to isoform 1.