

Product datasheet for **SC327194**

LGR8 (RXFP2) (NM_001166058) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LGR8 (RXFP2) (NM_001166058) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGR8
Synonyms:	GPR106; GREAT; INSL3R; LGR8; LGR8.1; RXFP2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001166058, the custom clone sequence may differ by one or more nucleotides

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ATGATTGTTTTCTGGTTTTAAACATCTCTTCAGCCTCAGATTGATTACAATGTTCTTT
CTACTTCATTTTCATCGTTCTGATCAATGTCAAAGATTTTGCAGTACTCAAGGTAGCATG
ATCACTCCTTCATGCCAAAAAGGATATTTCCCTGTGGGAATCTTACCAAGTGCTTACCC
CGAGCTTTTCACTGTGATGGCAAGGATGACTGTGGGAACGGGGCGGACGAAGAGAAGTGT
GGTGACACTAGTGGATGGGCGACCATATTTGGCACAGTGCATGGAAATGCTAACAGCGTG
GCCTTAACACAGGAGTGCTTTCTAAAACAGTATCCACAATGCTGTGACTGCAAAGAACT
GAATTGGAATGTGTAATGGTGACTTAAAGTCTGTGCCGATGATTTCTAACAAATGTGACA
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ACAAAACCTTAAAAAGATATTTCTCAGCATAATTGCATTAGACACATATCCAGGAAAGCA
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AGACCTGGAATATTCAAAGACTTACATCAGCTAACTTGGCTAATTCTAGATGACAATCCA
ATAACCAGAATTTACAGCGCTTGTACGGGATTAATTCCTTGTTTTTCTGTCTATG
GTTAATAACTACTTAGAAGCTCTCCCAAGCAGATGTGTGCCAAATGCCTCACTCAAC
TGGGTGGATTTGGAAGGCAATAGAATAAAGTATCTCACAATTTCTACGTTTCTGTGCTGC
GATTCGCTCACAGTGTGGATCTGTCTAGCAATACGATAACGGAACATCACCTCACCTT
TTTAAAGACTTGAAGCTTCTACAAAAGCTGAACCTGTCATCCAATCCTCTTATGTATCTT
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ATTCCAATATAAACACACGAATGTTTCAACCCATGAAGAATCTTTCTCACATTTATTTT
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GTCTTCCCTTCAGTAACATTGACCTGGAAAACGGCAGACCTCAGTCATCCTCATTGTC
ATCTGGATGGCGGATTTTTAATAGCTGTAATTCATTTTGAATAAGGATTATTTTGA
AACTTTTATGGGAAAAATGGAGTATGTTTCCACTTTATTATGACCAAACAGAAGATATT
GGAAGCAAAGGATTTCTTGGAAATTTCTAGGTGTGAACTTGTGGCTTTTCTCATC
ATTGTGTTTTCTATATTACTATGTTCTGTTCCATTCAAAAAACCGCCTTGCAGACCACA
GAAGTAAGGAATGTTTTGGAAGAGAGGTGGCTGTTGCAAAATCGTTTCTTTTTTATAGTG
TTCTCTGATGCCATCTGCTGGATTCTGTATTTGTAGTAAAAATCCTTCCCTCTCCGG
GTGGAATACCAGACACAATGACTTCTGGATAGTGATTTTTTCTTCCAGTTAACAGT
GCTTTGAATCCAATCCTCTATACTCTCACAACTTTTTTAAGGACAAGTTGAAACAG
CTGCTGCACAAACATCAGAGGAAATCAATTTTCAAAATAAAAAAAAGTTTATCTACA
TCCATTGTGTGGATAGAGGACTCCTTCCCTGAAACTTGGGTTTTGAACAAAAATAACA
CTTGGAGACAGTATAATGAAACCAGTTTCC

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Restriction Sites: Please inquire

ACCN: NM_001166058

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:	<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_001166058.1, NP_001159530.1</u>
RefSeq Size:	2731 bp
RefSeq ORF:	2193 bp
Locus ID:	122042
UniProt ID:	<u>Q8WXD0</u>
Cytogenetics:	13q13.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Neuroactive ligand-receptor interaction
Gene Summary:	<p>This gene encodes a member of the GPCR (G protein-coupled, 7-transmembrane receptor) family. Mutations in this gene are associated with cryptorchidism. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region compared to variant 1. The resulting protein (isoform 2) is shorter compared to isoform 1.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>