

Product datasheet for **SC305913**

LGR8 (RXFP2) (NM_130806) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LGR8 (RXFP2) (NM_130806) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGR8
Synonyms:	GPR106; GREAT; INSL3R; LGR8; LGR8.1; RXFPR2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_130806 edited
CTGTAAACCTATGATTGTTTTCTGGTTTTAAACATCTCTTCAGCCTCAGATTGATTAC
AATGTTCTTTCTACTTCATTTTCATCGTTCTGATCAATGTCAAAGATTTTGCACTGACTCA
AGGTAGCATGATCACTCCTTCATGCCAAAAAGGATATTTTCTGTGGGAATCTTACCAA
GTGCTTACCCCGAGCTTTTCACTGTGATGGCAAGGATGACTGTGGGAACGGGGCGGACGA
AGAGAAGTGTGGTGACACTAGTGGATGGCGACCATATTTGGCACAGTGCATGGAATGC
TAACAGCGTGGCCTTAACACAGGAGTGCCTTTCTAAAACAGTATCCACAATGCTGTGACTG
CAAAGAACTGAATTGGAATGTGTAATGGTGACTTAAAGTCTGTGCCGATGATTTCTAA
CAATGTGACATTACTGTCTCTTCAGAAAAACAAAATCCACAGTCTTCCAGATAAAGTTTT
CATCAAATACACAAAACCTAAAAAGATATTTCTCAGCATAATTGCATTAGACACATATC
CAGGAAAGCATTTTTTGGATTATGTAATCTGCAAATATTATATCTCAACCACAACCTGCAT
CACAAACCCTCAGACCTGGAATATTCAAAGACTTACATCAGCTAACTTGGCTAATTCTAGA
TGACAATCCAATAACCAGAATTTACAGCGCTTGTTCACGGGATTAATTCCTTGTTTTT
CCTGTCTATGGTTAATAACTACTTAGAAGCTCTCCCAAGCAGATGTGTGCCAAATGCC
TCAACTCAACTGGGTGGATTTGGAAGGCAATAGAATAAAGTATCTCACAATTTCTACGTT
TCTGTCTGCGATTTCGCTCACAGTGTCTTTCTGCCTAGAAATCAAATGGTTTTGTTC
AGAGAAGACATTTTCTCATTAAAAAATTTAGGAGAAGCTGGATCTGTCTGCAATACGAT
AACGGAGCTATCACCTCACCTTTTTAAAGACTTGAAGCTTACAAAAGCTGAACCTGTC
ATCCAATCCTCTTATGTATCTTCACAAGAACCAGTTTGAAGTCTTAAACAACCTCAGTC
TCTAGACCTGGAAGGATAGAGATTCCAATAATAAACACACGAATGTTTCAACCCATGAA
GAATCTTTCTCACATTTATTTCAAAAACCTTCGATACTGCTCCTATGCTCCCATGTCCG
AATATGTATGCCCTTGACGGACGGCATTCTTCATTTGAGGACCTTTGGCTAACAATAT
CCTCAGAATATTTGTCTGGGTTATAGCTTTTCAATACCTGCTTTGGAAATCTTTTTGTCA
TGGCATGAGATCTTTTCAATAAGCTGAAAATACAACTCACGCTATGTCCATCAAAATCCT
TTGTTGTGCTGATTGCCTGATGGGTGTTTACTTGTCTTTGTTGGCATTTCGATATAAA
ATACCGAGGGCAGTATCAGAAGTATGCCTTGCTGTGGATGGAGAGCGTGCAGTGCCGCT
CATGGGGTTCCTGGCCATGCTGTCCACCGAAGTCTCTGTTCTGCTACTGACCTACTTGAC
TTTGGAGAAGTTCCTGGTCATTGTCTTCCCTTCAGTAACATTCGACCTGGAAAACGGCA
GACCTCAGTCATCCTCATTGTCATCTGGATGGCGGGATTTTAAAGCTGTAATTCATT
TTGGAATAAGGATTATTTTGGAACTTTTATGGGAAAAATGGAGTATGTTTCCACTTTA
TTATGACCAAACAGAAGATATTGGAAGCAAAGGGTATTCTCTTGGAAATTTCTAGGTGT
GAACCTGTGGCTTTTCTCATCATTGTGTTTTCTATATTAATGTTCTGTTCCATTCA
AAAAACCGCCTTGACAGCCACAGAAGTAAGGAATGTTTTGGAAGAGAGGTGGCTGTTGC
AAATCGTTTTCTTTTTATAGTGTCTCTGATGCCATCTGCTGGATTCTGTATTTGTAGT
TAAATACCTTTCCCTCTTCCGGTGGAAATACCAGACACAATGACTTCTGGATAGTGAT
TTTTTCTTCCAGTTAACAGTGCCTTGAATCCAATCCTCTATACTCTCACAACCAACTT
TTTTAAGGACAAGTTGAAACAGCTGCTGCACAAACATCAGAGGAAATCAATTTTCAAAAT
TAAAAAAAAGTTTATCTACATCCATTGTGTGGATAGAGGACTCCTCTTCCCTGAAACT
TGGGGTTTTGAACAAAATAACACTTGGAGACAGTATAATGAAACCAGTTTCTAGCAATC
ACCGCGTCATAG
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_130806 unedited NTTGAGTCAAATTGTATACGACTCACTAAGGCGGCCGNAATCAATTGCTGTAAACCT ATGATTGTTTTTCTGGTTTTTAAACATCTCTTCAGCCTCAGATTGATTACAATGTTCTTT CTACTTCATTTTCATCGTTCTGATCAATGTCAAAGATTTTGCACACTGACTCAAGGTAGCATG ATCACTCCTTCATGCCAAAAAGGATATTTTTCTGTGGGAATCTTACCAAGTGCTTACCC CGAGCTTTTCACTGTGATGGCAAGGATGACTGTGGGAACGGGGCGGACGAAGAGAAGTGT GGTGACACTAGTGGATGGGCGACCATATTTGGCACAGTGCATGGAAATGCTAACAGCGTG GCCTTAACACAGGAGTGCTTTCTAAAACAGTATCCACAATGCTGTGACTGCAAAGAACT GAATTGGAATGTGTAAATGGTGACTTAAAGTCTGTGCCGATGATTTCTAACAATGTGACA TTAAGTCTCTTCAGAAAAACAAAATCCACAGTCTCCAGATAAAGTTTTTCATCAAATAC ACAAACCTTAAAAAGATATTTCTTCAGCATAATTGCATTAGACACATATCCAGGAAAGCA TTTTTGGATTATGTAATCTGCAAATATTATATCTCAACCACAACTGCATCACACCCTC AGACCTGGAATATTCAAAGACTTACATCAGCTAACTTGGCTAATTCTAGATGACAATCCA ATAACCAGAATTTACAGCGCTTGTTCACGGGATTAATTCCTTGTTTTTCTGTCTATG GTTAATAACTACTTAGAAGCTCTCCCAACAGATGTGTGCCCAAATGCCTCAACTCAACT GGGTGGATTTGGAANNGCATAGNATANAGTATCTCC
Restriction Sites:	Please inquire
ACCN:	NM_130806
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:	There are 2 nucleotide differences between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the substitution of 2 amino acids.
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:	NM_130806.2 , NP_570718.1
RefSeq Size:	2838 bp
RefSeq ORF:	2265 bp
Locus ID:	122042
UniProt ID:	Q8WXD0
Cytogenetics:	13q13.1
Protein Families:	Druggable Genome, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Gene Summary: 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]
Transcript Variant: This variant (1) represented the longer transcript and encodes the longer protein (isoform 1).