

## Product datasheet for **SC330305**

### LGR7 (RXFP1) (NM\_001253729) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	LGR7 (RXFP1) (NM_001253729) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGR7
Synonyms:	LGR7; RXFPR1
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC330305 representing NM\_001253729.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGACATCTGGTCTGTCTTCTTCTACATCTTAATTTTTGGAAAATATTTTTCTCATGGGGTGGACAG
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TCATTCATCTGGGTGAAATGTGGCCACTGCAGGAGATGCCACCTGAGTTAATGAAGCCGGACCTTTTC
ACATACCCTGTGAAATGTCACTGATTTCTCAATCAACGAGACTCAATTCCTATTCATGA
  
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**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_001253729

**Insert Size:** 2130 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001253729.1</a>
<b>RefSeq Size:</b>	3730 bp
<b>RefSeq ORF:</b>	2130 bp
<b>Locus ID:</b>	59350
<b>UniProt ID:</b>	<a href="#">Q9HBX9</a>
<b>Cytogenetics:</b>	4q32.1
<b>Protein Families:</b>	Druggable Genome, GPCR, Transmembrane
<b>Protein Pathways:</b>	Neuroactive ligand-receptor interaction
<b>MW:</b>	81.5 kDa
<b>Gene Summary:</b>	<p>This gene encodes a member of the leucine-rich repeat-containing subgroup of the G protein-coupled 7-transmembrane receptor superfamily. The encoded protein plays a critical role in sperm motility, pregnancy and parturition as a receptor for the protein hormone relaxin. Decreased expression of this gene may play a role in endometriosis. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]</p> <p>Transcript Variant: This variant (4) lacks two consecutive exons in the coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (4) is shorter than isoform 1.</p>