

Product datasheet for **RC234877**

LGR7 (RXFP1) (NM_001253727) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LGR7 (RXFP1) (NM_001253727) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LGR7
Synonyms:	LGR7; RXFPR1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234877 representing NM_001253727
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACATCTGGTTCTGTCTTCTTCTACATCTTAATTTTTGGAAAAATTTTTCTCATGGGGTGGACAGG
 ATGTCAAGTGCTCCCTTGCTATTTCCCTGTGGGAACATCACAAAGTGCTTGCCTCAGCTCCTGCACTG
 TAACGGTGTGGACGACTCGCGGAATCAGGCCGATGAGGACAACACTGTGGAGACAACAATGGATGGTCTCTG
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 AATGTTCTTTTCATTTCTTTCTTTTATTACCCTCCTCTTCTGGTCCCTCACTGTCATCATGCCTTACC
 ACTTCCCCTTGATTCACTGGTTCGGTCTGTGCCAGTGCAATGTCTTTGCCAAGGTCTGGAGCTTGACTGT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RC234877 representing NM_001253727
 Red=Cloning site Green=Tags(s)

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MTSGSVFFYILIFGKYFSHGGGQDVKCSLGYFPCGNITKCLPQLLHCNGVDDCGNQAEDNCGDNNGWSL
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DETNLRAVPSVSSNVTAMSLQWNLIRKLPDCKNYHDLQKLYLQNNKITSISIYAFRGLNSLTKLYLSH
NRITFLKPGVFEDLHRLLEWLIIEDNHLSRISPPTFYGLNSLILLVLMNNVLRPLDKPLCQHMPRLHWLD
LEGNHIIHNLRNLTFISSCNLTVLVMRKNKINHLNENTFAPLQKLELDLGSNKIENLPPLIFKDLKELSQ
LNL SYNPIQKIQANQFDYLVKLSLSLEGIEISNIQQRMFRLMNL SHIYFKKFQYCGYAPHVRSCKPNT
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YSVHQSAITATEIRNQVKKEMILAKRFFFIVFTDALCWIPFVVKFLLQVEIPGTITSWVVIFILPIN
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MSLISQSTRLNSYS
  
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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_001253727.1](#), [NP_001240656.1](#)

RefSeq Size: 3955 bp

RefSeq ORF: 2355 bp

Locus ID: 59350

Cytogenetics: 4q32.1

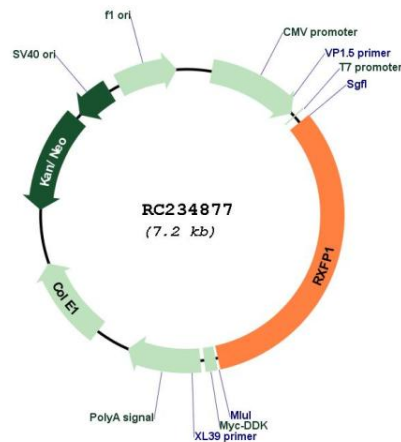
Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 90.6 kDa

Gene Summary: 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]

Product images:



Circular map for RC234877