

Product datasheet for **SC330304**

LGR7 (RXFP1) (NM_001253728) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LGR7 (RXFP1) (NM_001253728) Human Untagged Clone
Tag:	Tag Free
Symbol:	RXFP1
Synonyms:	LGR7; RXFPR1
Vector:	pCMV6-Entry (PS100001)

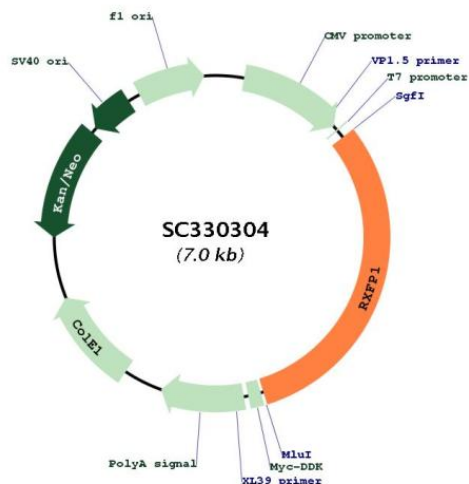


[View online »](#)

Fully Sequenced ORF: >SC330304 representing NM_001253728.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGACATCTGGTTCTGTCTTCTTCTACATCTTAATTTTTGGAAAATATTTTTCTCATGGGGTGGACAG
GATGTCAAGTGCTCCCTGGCTATTTCCCTGTGGGAACATCACAAAGTGCTTGCCTCAGCTCCTGCAC
TGTAACGGTGTGGACGACTGCGGAATCAGGCCGATGAGGACAACTGTGTGGTGGTCTGTGCCAGTG
CAATGTCTTTGCCAAGGCTGGAGCTTGACTGTGATGAAACCAATTTACGAGCTGTTCCATCGGTTTCT
TCAAATGTGACTGCAATGTCACCTTCAGTGGAACTTAATAAGAAAAGCTTCCCTCCTGATTGCTTCAAGAAT
TATCATGATCTTCAGAAGCTGTACCTGCAAAAACAATAAGATTACATCCATCTCCATCTATGCTTTTCA
GGACTGAATAGCCTTACTAACTGTATCTCAGTCATAACAGAATAACCTTCTGAAGCCGGGTGTTTTT
GAAGATCTTACAGACTAGAATGGCTGATAATTGAAGATAATCACCTCAGTCGAATTTCCCACCAACA
TTTTATGGACTAAATTCTTATTCTTCTAGTCTGATGAATAACGTCTCACCCGTTTACCTGATAAA
CCTCTCTGTCAACACATGCCAAGACTACATTGGCTGGACCTTGAAGCAACCATATCCATAATTTAAGA
AATTTGACTTTTTATTTCTGACGTAATTTAACTGTTTTAGTGATGAGGAAAAACAAAATTAATCACTTA
AATGAAAATACTTTTGCACCTCTCCAGAACTGGATGAATGGATTTAGGAAGTAATAAGATTGAAAAT
CTTCCACCGCTTATATTCAGGACCTGAAGGAGCTGTCACAATTGAATCTTTCCTATAATCCAATCCAG
AAAATTCAGCAAACCAATTTGATTATCTTGTCAAACCTCAAGTCTCTCAGCCTAGAGGGATTGAAATT
TCAAATATCCAACAAAGGATGTTTAGACCTCTTATGAATCTCTCTCACATATATTTTAAGAAATCCAG
TACTGTGGGATGACCACATGTTTCGACGCTGTAACCAAACACTGATGGAATTTTATCTCTAGAGAAAT
CTCTTGGCAAGCATTATTCAGAGAGTATTTGTCTGGGTTGTATCTGCAGTTACCTGCTTTGGAAACATT
TTTGTCAATTTGCATGCGACCTTATATCAGGTCTGAGAACAAAGCTGATGCCATGTCAATCATTCTCTC
TGCTGTGCCGACTGCTTAATGGGAATATATTTATTCGTGATCGGAGGCTTTGACCTAAAGTTTCGTGGA
GAATACAATAAGCATGCGCAGCTGTGGATGGAGAGTACTCATTGTCAGCTTGTAGGATCTTTGGCCATT
CTGTCCACAGAAGTATCAGTTTTACTGTTAACATTTCTGACATTGGAAAAATACATCTGCATTGTCTAT
CCTTTTAGATGTGTGAGACCTGGAAAATGCAGAACAAATTACAGTTCTGATTCTCATTGGATTACTGGT
TTTATAGTGGCTTTCATTCCATTGAGCAATAAGGAATTTTTCAAAAACACTATGGCACCAATGGAGTA
TGCTTCCCTCTTCATTGAGAAGTACAGAAAGTATTGGAGCCAGATTTTATTCAGTGGCAATTTTTCTT
GGTATTAATTTGGCCGATTTATCATCATAGTTTTTTCCTATGGAAGCATGTTTTATAGTGTTCATCAA
AGTGCCATAACAGCAACTGAAATACGGAATCAAGTTAAAAAGAGATGATCCTTGCCAAACGTTTTTTC
TTTATAGTATTTACTGATGCATTATGCTGGATACCCATTTTTGTAGTAAAATTTCTTCACTGCTTCAG
GTAGAAAATACCAGGTACCATAACCTCTTGGGTAGTGATTTTTATTTCTGCCATTAACAGTCTTTGAAC
CCAATCTCTATACTCTGACCACAAGACATTTAAAGAAATGATTCATCGGTTTTGGTATAACTACAGA
CAAAGAAAATCTATGGACAGCAAAGTCCAGAAAACATATGCTCCATCATTATCTGGGTGAAAATGTGG
CCACTGCAGGAGATGCCACCTGAGTTAATGAAGCCGGACTTTTTACATACCCCTGTGAAATGCTACTG
ATTTCTCAATCAACGAGACTCAATTCCTATTCA TGA

Restriction Sites: Sgfl-Mlul

Plasmid Map:


ACCN: NM_001253728

Insert Size: 2175 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).

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_001253728.1](#)

RefSeq Size: 3775 bp

RefSeq ORF: 2175 bp

Locus ID: 59350

UniProt ID: [Q9HXB9](#)

Cytogenetics: 4q32.1

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

MW: 83.1 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]

Transcript Variant: This variant (3) lacks an exon in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (3) is shorter than isoform 1.