

Product datasheet for **RN205350**

Lgr4 (NM_173328) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgr4 (NM_173328) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lgr4
Synonyms:	Gpr48
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN205350 representing NM_173328
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGCCGGGCCGCTAGGGCTGCTCTGCTTCTCGCCCTGGGGCTGCTCGGCTCGGCCGGGCCAGCGGCC
 CGGCGCCGCTCTCTGCGCGGCCCTGCAGCTGCGACGGCGACCGTCCGGTGGACTGCTCCGAAAGGG
 GTTGACGGCCGTACCGGAGGGTCTCAGCGCCTTACCCAAGCACTGGATATCAGTATGAACAATATCACC
 CAGTTACCAGAAGATGCATTTAAGAGTTTCCCATTCTAGAGGAGCTACAACCTGGCTGGTAAACGACCTTT
 CTCTTATCCATCCAAAAGCCTTGTCTGGGCTGAAAGAAGCTCAAAGTCTAACACTCCAGAATAATCAGTT
 GAGAACAGTGCCAGTGAAGCCATTACGGACTGAGTGTTCAGTCTTACGCTTAGATGCCAACCAT
 ATTACCTCAGTCCCGGAGGACAGTTTTGAAGGGCTTGTCCAGTTACGCCATCTGTGGCTGGATGACAACA
 GCTTGACGGAAGTGCCCGTGCCTCCCTCAGCAACCTGCCAACCTGCAGGCGCTGACCTTGGCTCTCAA
 CAACATCTCAAGCATCCCTGACTTCGCTTTCACCAACCTTCAAGCTTGGTGGTTCTGCATCTGCATAAC
 AATAAAATTAAGCCTCAGTCAACACTGTTTTGATGGACTAGATAACCTGGAAACCTTGGACTGAATT
 ACAATTACTTGGATGAGTTTCTCAGGCTATTAAGCCCTTCCCAGCCTTAAAGAGCTGGGATTTACAG
 TAATTCTATTTCTGTTATTCCTGATGGAGCATTGGTGGTAACTCACTGCTAAGAAGTATTCATTTGAT
 GATAATCTCTGTCTTTGTGGGAACTCAGCATTTCACAACCTGTCTGATCTGCATTGCTTAGTCATTC
 GTGGTGAAGCCTGGTGCAGTGGTTCCTCAATCTGACCGAACTGTCCATTTGGAGAGTCAACCTTGAC
 AGGGACAAAAATAAGCAGCATACCTGATGATCTGTGCCAAAACAAAAGATGCTGAGGACTCTGGACTTA
 TCTTATAACAATAAAGAGACCTTCCAAGTTTAAATGGTGTGCGTGCATTGGAAGAAATTCATTGCAGC
 GTAATCAAACTCCCTAATAAAGGAAAACTTTTCAAGCCCTAACATCTCTAAGGATTTAGATCTGAG
 TAGAAAACCTGATCCGTGAAATTCACAGTGGAGCTTTTGGCAAGCTTGGGACAATTAACCTGGATGTA
 AGTTTCAATGAATTAACCTCATTCTACGGAAGCCCTAAATGGGCTCAATCAACTAAAGCTTGTGGGTA
 ACTTCAAGCTGAAAGACGCCCTTGGCAGCCAGAGACTTTGCTAATCTCAGGTCTCTATCAGTACCATATGC
 TTATCAGTGTGTGCATTTTGGGGTGTGACTCTATGCAAAATTAACACAGAAGATAACAGCCCCCAA
 GAACACAGTGTGACAAAAGAGAAAGGTGTACAGATGCAGCAATGTACCAGCACTGCTGAGAACGAAG
 AACATAGCCAAATAATTACCACTGTACACCTCAACAGGTGCTTCAAGCCCTGTGAATATTTACTGGG
 AAGCTGGATGATTCGCCCTACAGTGTGGTTCATTTTCTGGTGCCTTGTCTTCAACCTGCTTGTCTATT
 TTAACAGTGTTCGCTTGTTCATCACTGCCTGCCTCCAACTTTCATAGGCTTGATTTCTGTGTCTA
 ACTTACTCATGGGCATCTATACTGGCATCTTACTTTTCTTGATGCTGTGCTGCTGGGGCCGATTTGCCGA
 ATTTGGCATTGGTGGGAACTGGCAGCGGCTGCAAGGTAGCCGGTCTCTGGCAGTCTTCTCTCAGAG
 AGCGCTGTATTCTATTAACACTGGCAGCTGTGGAAAGAAGCGTATTTGCAAAGGATTTGATGAAACACG
 GGAAGAGCAGTCACTCAGACAGTTCAGGTGGCCGCCCTCTTAGCTTTGCTGGGTGCCGAGTGGCAGG
 CTGCTTCCCCCTTTCCACGGAGGGCAATTTCTGCATCGCCCTGTGTTTGGCCTTCTACAGGAGAA
 ACCCCATCGTTAGGATCACTGTGACCTTAGTGTATTAACACTCACTGGCATTTTACTAATGGCCATTA
 TCTACACTAACTATACTGCAACTTAGAGAAGGAGGACCTGTGCGAAAACCTCCAGTCTAGCGTGATTA
 GCACGTTGCCTGGCTCATCTTCAAACTGCATCTTCTTCTGCCCTGTTGCATTTTCTCATTTGCAACA
 TTGATCACGGCAATCTCCATCAGCCCCGAGATAATGAAGTCTGTTACACTGATATTCTTCCCGTTGCCGT
 CTTGCCTGAATCCGGTCTGTATGTTTTCTCAACCCAAAGTTTAAAGAAGACTGGAAGCTACTGAAGCG
 GCGTGTACCAGGAAACACGGATCTGTTTCAGTTTCCATCAGCAGCCAAGGCGGTGTGGGGAACAGGAT
 TTCTACTATGACTGTGGCATGTATCCCACTTGCAGGGTAACTGACTGTCTGTGACTGTGTGAGTCAT
 TTCTTTTGACAAAACAGTATCATGCAAACTTAATAAAATCGCACAGTTGTCTGTATTGACAGCGGC
 CTCTTGCCAGAGGCCAGAGGCCACTGGTCTGATTGTGGTACACAGTCAGCCATTCTGACTATGCAGAT
 GAAGAAGATTCCTTTGTCTCAGACAGCTCTGACCAGGTGCAGGCCTGTGGACGAGCCTGCTTCTACCAGA
 GTCGTGGATTCCTCTGGTGCCTATGCTTACAATCTACAGAGAGTCAGAGAC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_173328
Insert Size:	2856 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:	<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_173328.1</u> , <u>NP_775450.1</u>
RefSeq Size:	3535 bp
RefSeq ORF:	2856 bp
Locus ID:	286994
UniProt ID:	<u>Q9Z2H4</u>
Cytogenetics:	3q34
Gene Summary:	member of a family of G-protein coupled receptors that contain leucine rich repeats [RGD, Feb 2006]