

## Product datasheet for **MC222887**

### **Lgr6 (NM\_001033409) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Lgr6 (NM_001033409) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lgr6
Synonyms:	A530037C04Rik; D830026M09
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001033409, the custom clone sequence may differ by one or more nucleotides

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ATGCACAGCCCGCTGGGCTCCTGGCGCTGTGGCTTTGCGCTGTGCTGTGCGCATCGGCGCGGGGGCA
GCGACCCCAGCCTGGCCGGGGCGTCCCGCTGCCCGCTCCCTGCCACTGCCAGGAGGACGGCATCAT
GCTGTCCGCTGACTGCTCCGAGCTCGGGCTCTCAGTGGTGCCTGGGACCTGGACCCCTGACGGCTTAC
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AATTCTAATGCTGCAGAGCAACCAGCTCCGTGGGATCCAGCAGAGGCACTATGGGAGCTGCCAGCCTG
CAGTCGCTGCGCCTAGATGCTAATCTCATCTCCCTGGTCCCTGAGAGAAGCTTTGAGGGCTCTCTCCC
TCCGCCACCTCTGGTGGATGACAATGCACTCACTGAGATCCCCGTGAGACTCTCAACAACCTCTCTGC
CCTACAGGCCATGACCTGGCTCTAACCATATCCGCCACATCCCTGACTATGCCTTCCAGAACCTCACC
AGTCTTGTGGTGTGCATCTACATAACAACCGCATCCAGCATGTGGGGACCCACAGCTTCGAGGGGCTGC
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AGCTGGGGCATCCGCTTGTGTGTGGCCATCGTGTACTCTCCGACTCTGTAACGGGCTGGTGTGCTGC
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AGGCTGGAGGGAAACATTTTATAGAGTCTGATGGAACCAAGTTGGGAACCCACAACCTCCCATGAAGG
GAGAACTGCTGTAAGGCAGAGGGAGCCACTTGGCAGGCTGTGGCTTCTCCGTGGGTGGAGCCCTCTG
GCCCTCTGGCTCTCTTTGCCCTCACTTGTAA
    
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**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001033409  
**Insert Size:** 2904 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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="#">BC141210</a> , <a href="#">AAI41211</a>
<b>RefSeq Size:</b>	3224 bp
<b>RefSeq ORF:</b>	2904 bp
<b>Locus ID:</b>	329252
<b>UniProt ID:</b>	<a href="#">Q3UVD5</a>
<b>Cytogenetics:</b>	1 E4
<b>Gene Summary:</b>	Receptor for R-spondins that potentiates the canonical Wnt signaling pathway and acts as a marker of multipotent stem cells in the epidermis. Upon binding to R-spondins (RSPO1, RSPO2, RSPO3 or RSPO4), associates with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. In contrast to classical G-protein coupled receptors, does not activate heterotrimeric G-proteins to transduce the signal (By similarity). [UniProtKB/Swiss-Prot Function]