

## Product datasheet for **RN200285**

### Lig1 (NM\_030855) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lig1 (NM_030855) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Lig1
Synonyms:	MGC105416
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN200285 representing NM\_030855  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCAGAGAAGTATTATGTCATTTTTTCCAACCCACAACAACAGAAGGTAAGCGAAGAAGCCAGAGAAGG  
 AGATACCCAGCAGCATCAGAGAGAAGGAACCCCTCCAAAGGTGGCATTGAAGGAGAGGAATCGAGCAGT  
 GCCTGAGAGTGATTCTCCAGTGAAGAGGCCAGGAAGGAAGGTGGCCAGGTTCTGAGCAGTGAAGGGGAG  
 GACGAAGATGAAGCCCCTGGCACCCCCAAGTCCAAAAGCCTGTGTCAGACTCCAAAAGAGCTCTCCTC  
 CCAGCCCTGACTCCTGTCTGAGAACAGTCTGTCTTCAACTGCAGCCCTCCATGGACATCTCCCCATC  
 AGGATTCCTAAAGCGCCGAAGTGCACGGAAAGCAGTCCAAAACGGACAATTCAAGACACTCTTGAGGAG  
 CCCAATGAAGACAAGCCAAAGCAGTTAAGAAAAGGAAAAAGAAGATCCCCAGACCCACCAGAAAAGCC  
 TCACAGAGGCTGAAGAAGTAACCAGAAGGAAGAAGCAGGTGGAGGACCAGCCACAGTACCCCTGAGCC  
 CACAGAGTCCCCTGAGTCAGTAACCCTCACAAGACAGAGAACATTCCAATGTGTAAAGCAGGTGTGAAA  
 CAGAAGCCTCAGGAAGAAGAACAGAGCAAGCCTCTGCCAGAGGTGCCAAGCCACTGAGCAGTTCCTTCA  
 CACCCCGAAAACAGCAGTGAAGTCAAAACAAGAAGAGTCAAGGAAAGGAAGAGAC  
 CAAGGGAGCCCGGATCCAACCAATTATAATCCTTCCAAGAGTAACTACCATCCCATTGAAGATGCCTGC  
 TGGAAACATGGCCAAAAGGTTCTTTTCTGTGTGGCCCGGACATTTGAGAAGATTGAGGAGGTGTCTG  
 CTCGGCTTAAGATGGTGGAGACTGAGCAACCTGCTGCGCTCCGTGGTGGCCCTGTCCCCAACAGACCT  
 GCTCCCTGTTCTCTATCTCAGCCTCAACCGCTTGGCCCGCTCAGCAGGGTCTAGAAGTGGGCGTTGGT  
 GATGGTGTCTCCTCAAGGCAGTTGCCAGGCCACAGTCTGTCAGCTGGAGTCCATCCGGGCTGAGTAG  
 CTGAGAAGGGGGATGTGGGCTAGTGGCGGAGAACAGCCGAAGCACTCAGAGGCTCATGCTGCCTCACCC  
 TCCACTTACTGTTCTGGAGTCTTACCATAATTCTGTGACATTGCCCGGCTCACTGGCAGTGTCTCCATG  
 GCCAAGAAAATGGACATTATCAAGGGCCTTTTTGTGCTGCCGCTACTCAGAAGCCCGGTTTATTGCCA  
 GGTCCCTAAGTGGGCGGCTGCGCCTTGGGCTGGCTGAGCAGTCACTACTGGCTGCTCTTGCCAGGCTGG  
 GAGCCTCACACCCCTGGCCAAGAAATTTCCACGGTGGTGGATGCTGGGAAGGGCAAGACAGCAGAG  
 GCCAGAAAGATGTGTTGGAAGAACAAGGCATGATCTTGAAGCAAACCTTCTGTGAGGTGCCTGATCTGG  
 ATCGCATCATCCCTGTGCTGCTGGAACATGGCTTGGAAAGTCTCCAGAGCACTGCAAGCTGAGCCAGG  
 GGTTCCTCTTAAACCAATGCTGGCCATCCCCTCGGGGTGTCCTGAGGCTCTGAAACGCTTTGAGGAG  
 GTCGACTTCACCTGCGAGTATAAATACTATGGGCAGCGGCACAGATACATGTTCTGGAAGTGGAGAAG  
 TGAAGATCTTTAGCAGGAACCAGGAAGCAACTCAGGAAAGTATCCTGACATCATCAGCCGATCCCCAA  
 GATTAACACCCCTCAGTCACATCTTTCATTCTGGACACTGAGGCTGTGGCTGGGACCGGGAAAAGAAG  
 CAGATTCAGCCATTCCAAGTGTCAACCACAGCAAGCGCAAGGAGGTTGATGCATCGGAGATACAGGTAC  
 AAGTGTGTCTGTATGCTTTTACCTCATCTACCTCAACGGAGAGTCCCTGGCTCGCCAGCCCTGTCTCG  
 ACGCCGGCAGCTACTCCGTGAGAAGTGTGGAGACAGAGGGTGAAGTGTCTTTGCCACCTCCTTGGAC  
 ACCAAGGACATCGAGCAGATTGCCGAGTCTTAGAGCAGTCAAGGACTCCTGTGAGGGCCTGATGG  
 GGACTACCTTGAAGGTGTGGGCGACACTAGACCTTGTGGTGAATGGTGCCTACCTGGGCGGGGGAAG  
 CGCCTGGCCGGTATGGGGCTTCTGTGGCTGCCTACGATGAGGAGAGTGAAGAGCTTGCAGCCATAT  
 GCAAGCTGGGAACCGGATTCAGCGACGAGGAGCTGGAAGAACATCATCAGAACATGCAGGCCCTTTTATT  
 GCCTACCCACGCCCCTATGTGAGGATTGATGGGGCAGTGGCCCCAAACCACTGGCTGGACCCAAGCATT  
 GTGTGGGAGGTGAAGTGTGCTGATCTTACCCTGTCTCCATCTACCGTGTGCACGGGCATGGTGGACA  
 AAGAAAAGGGATCTCCCTTCGTTTCCCTCGGTTCACTCGTGTCCGTGAGGATAAGCAGCCAGAGCAGGC  
 CACTACCAGTACCAGGTGGCCTCTTGTACCGGAAGCAGAGTCAAGATTCAGAACCAGCAAAGCTCAGAC  
 TTGGACTCTGATGTTGAAGATTACTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

<b>ACCN:</b>	NM_030855
<b>Insert Size:</b>	2757 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>	<u><a href="#">NM_030855.1</a></u> , <u><a href="#">NP_110482.1</a></u>
<b>RefSeq Size:</b>	3112 bp
<b>RefSeq ORF:</b>	2757 bp
<b>Locus ID:</b>	81513
<b>Cytogenetics:</b>	1q21
<b>Gene Summary:</b>	catalyzes the joining of blunt ended DNA [RGD, Feb 2006]