

Product datasheet for **MC201514**

Lig1 (NM_001083188) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lig1 (NM_001083188) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Lig1
Synonyms:	AL033288; LigI
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC028287 sequence for NM_001083188
 GAGCGAGCGAGCGAGCGAGTGTGCGGCGTCCGGCAAAGTGATTTGGAGAGGTACAACCTGAT
 GAGAAAAAAGAGCAAGAGAGGAAAGGAGAGACTTCTGCTGCCAACATGCAGAGAAGTATTATGTCATTT
 TTTCAACCCACAAAAGAGGTAAGCGAAGAAGCCAGAGAAGGAGACACCCAGCAGCATCAGAGAGAAGG
 AACCCCTCCAAAGGTGGCGCTGAAGGAGAGGAATCAAGTGGTCCCGAGAGTATTCTCCAGTGAAGAG
 GACAGGAAGGAAGGTAGCCAGGTTCTGAGCTGTGAAGGGGAGGACGAAGATGAAGCCCTGGCACCCCC
 AAAGTCCAGAAGCCTGTGTCAGACTCTGAACAGAGCTCTCCTCCAGCCCTGACACATGTCCTGAGAACA
 GTCCTGTCTTCAACTGCAGCTCCCCATGGACATCTCCCATCAGGATTCCCAAAGCGTGAACACTGCGCG
 GAAGCAGCTCCCAAACGGACAATTCAAGACACTTTGAGGAGCAGAATGAGGACAAAACAAAACAGCT
 AAGAAAAGGAAGAAAGAAGAGACCCAAAAGAAAGCCTCGCAGAGGCTGAAGACGTAAAAACAGAAGG
 AAGAAAAGGAGGGGACCAGTCAATGTCCTCTGAGCCACAAAGTCCCTGAGTCAAGTAAACCTGAC
 AAAGACAGAGAACATTCCAGTGTGAAGGCAGGAGTGAAGTGAAGCCTCAGGAAGAGGAACAGAGCAAA
 CCTCTGTAGAGGTGCCAAGACTGAGCAGTTTCTTACACCCCGAAAACCAGCAGTGAAGAACTGAAG
 TCAAACAAGAAGAGTCAGGCACTTAAGGAAGGAAGACCAAGGGAACCCTGGATCCAGCAAAATTATA
 TCCTTCCAAGAATAACTATCATCCATTGAAGATGCCTGTGAAACATGGCCAGAAGGTCCCTTTTCTC
 GCCGTGGCCCGGACATTTGAGAAGATTGAGGAGGTTTCTGCTAGGCTCAAGATGGTGGAGACATTGAGCA
 ACCTGCTGCGCTCCGTGGTGGCCCTGTCCCTCCAGACTTGTCCCTGTTCTCTATCTCAGCCTCAACCG
 CCTCGGGCCACCTCAGCAGGACTAGAGCTGGGTGTTGGTGTGATGGTGTCCCTCAAGGCCGTTGCCAG
 GCCACAGGTGCTCAGCTGGAGTCCATCCGGGCTGAGGTAGCTGAGAAGGGGGATGTGGGGCTGGTGGCCG
 AGAACAGCCGACACTCAGAGACTCATGCTGCCTCCACTCCACTTACTATTTCTGGAGTCTTACCAA
 ATTTCTGTGACATTGCCCGGCTCACTGGCAGTGTCCATGGCCAAGAAGATGGACATTATCAAGGGCCTT
 TTTGTTGCCTGCCCCACTCAGAAGCCAGGTACATTGCCAGTCCCTAAGCGGGCGGCTGCGCCTGGCC
 TAGCTGAGCAGTGGTACTGGTCTTGTCCAGGCTGTGAGCCTCACACCCCTGGCCAAGAATTTCC
 CACGGCGGTGGTGGATGCTGGGAAGGGCAAGACAGCAGAGGCCAGAAAGATGTGGTTGGAAGAACAAGGC
 ATGATCTTGAAGCAGACCTTCTGTGAGGTTCTGACCTGGATCGAATCATCCCTGTGCTGTGGAACATG
 GCCTGGAACGTCTCCAGAGCACTGCAAGCTGAGCCAGGGGTCCTCTTAAACCAATGCTGGCTCATCC
 CACTCGGGGTGTGAGTGGTCTAAAACGCTTTGAGGAGGTCGACTTCCCTGTGAATATAAATACGAT
 GGGCAGCGAGCACAGATACATGTTCTGGAAGGTGGAGAAGTGAAGATCTTCAAGCAAGCAGGAAGACA
 ACACAGGAAAGTATCCTGACATTATCAGCCGATCCCAAGATTAACACCCCTCAGTCACATCTTTCAT
 TCTGGACTGAGGCTGTGGCCTGGGACCGGAAAAGAAGCAGATCCAACCATTCCAAGTACTCACCAG
 CGCAAGCGCAAGGAGTTGATGCATCGGAGATACAGGTGCAAGTGTGTCTGTATGCTTTTGACCTCATCT
 ACCTCAACGGAGAGTCCCTGGTTCGCCAGCCCCTGTCTGACGCCGCGAGCTGCTCCGTGAGAATTGCT
 GGAGACAGAGGTTGAGTTTGTCTTACCACCTCTTTGGACACCAAGGACACCGAGCAGATTGCTGAGTTC
 TTGGAGCAGTCAGTGAAGGACTCCTGTGAGGGCCTGATGGTGAAGACCTTGGATGTTGATGCCACTTATG
 AGATTGCCAAGAGGTCACACAACCTGGCTCAAGTGAAGAAGGACTACCTTACCGTGTGGGTGACTCT
 GGACCTTGTGGTATTGGTGCCTACCTGGGCGGGGGAAGCGGGCTGGCCGGTATGGAGGCTTCTGTTG
 GCTGCCTACGATGAGGAGAGTGAAGAGCTTCAAGCTATATGCAAGCTGGGAACCTGGATTGAGGATGAGG
 AGCTGGAGGAACACCACCAGAGCCTGCAGGCCCTGGTATTGCCTACCCACGCCCTATGTGAGGATTGA
 TGGGGCAGTGGCCAGACCATTGGCTGGACCCAAGCATTGTGTGGGAGGTGAAGTGTGCTGATCTTTCC
 CTGTCCCATCTACCCTGCTGCACGGGCTGGTGGACAAAGAAAAGGGATCTCTCTTCTGTTTTCTCTC
 GGTTCATTCTGTCCGTAAGACAAAGCAGCCAGAGCAGGCCACTACCAGTAACCAGGTTGCCTTTTGTA
 CCGGAAGCAGAGTCAAGTTCAGAACCAACAAGCTCAGACTTGGACTCCGACGTTGAAGACTATTAACCT
 CCTGCTCTCCTGGGCTGGGGTGGAGTTGCGAGAACATGGGCACTGTTGGATTGGTGGTGGTATTGGT
 GTGTGTGGAGTACAGGAGTGAAGTCTGGGGCTGGAATGCTTTATTTTTTCAATAAATGACTTTTTAG
 ATGCCTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_001083188
Insert Size: 2751 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:	BC028287 , AAH28287
RefSeq Size:	3050 bp
RefSeq ORF:	2751 bp
Locus ID:	16881
Cytogenetics:	7 7.82 cM
Gene Summary:	DNA ligase that seals nicks in double-stranded DNA during DNA replication, DNA recombination and DNA repair.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) uses a different segment for its 5' UTR, compared to variant 3. Variants 1, 2, and 3 encode the same protein.