

Product datasheet for **MC229270**

Lig3 (NM_001291247) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lig3 (NM_001291247) Mouse Untagged Clone
Tag: Tag Free
Symbol: Lig3
Synonyms: D11Wsu78e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229270 representing NM_001291247
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTTTGGCTTCAAGATCCTCTTCCCGAGAAACCTTTGTGCCCTTGGCAGAAAAGAACTGTGCCTGT
TCCAGAACAGAAATCGCTGGGCTGCCATAAGTCAGTTCAGCCAGTGGTCGAAACAAATCTCCTCGGTGG
GTGCTGCCTTCTCCAGAGAAGAAAGCCTGTCTAGCTCTCCAGAGAGTCACTAAGACCAGTGCCACC
CACCTTACTTTCTGGCCAGGGTTCGATGTGGGACTCTGTACTGGCCCTGTGCGATGGCAGAGCAGCGGT
TCTGTGTGGACTATGCCAAGCGGGGCACAGCTGGATGCAAGAAATGCAAGGAGAAGATTGTAAGGGCGT
GTGCCGATTGGCAAAGTGGTGCCCAACCCCTTCTCAGAGTCTGGGGGTGATATGAAAGAGTGGTACCAC
ATTAAGTGCATGTTTGAGAACTGGAACGGGCTCGGGCCACCACAAGAAAATTGAAGACCTCACAGAGC
TGGAAGGCTGGGAAGAGCTGGAAGATAACGAAAAGGAACAGATAAGCCAGCATATTGCAGACCTGTCTTC
TAAGGCAGCTGCCACACCTAAGAAGAAAGCTGTGTCCAGGCTAAGCTGACAACCACTGGCCAGGTGACA
TCTCCAGTGAAAGGTGCTTCGTTTATTACCAGTACCAATCCTCGGAAGTTCCTGGCTTTTCAGCAAAAC
CCAACAACCTTGAGCAAGCCCCCTCAAGCCCTGCTCCTGGAACGAGTCTGTCTGCAAGTAAATGTGACCC
TAAGCACAAAGATTGTCTGTACGAGAGTTCGGAAGCTGTGCGCCATGGTGGCTGAAAATCCTAGCTAT
AACACCAAGACCCAGATCATCCATGACTTCTTGCAGAAAGGCTCCACAGGAGATGGCTTTTACGGTGATG
TGTACCTGACAGTTAAGCTGCTGCTGCCTGGTGTCAAGAGTGTTTACAACCTGAATGATAAGCAGAT
TGTAAAACCTTTTAGCCGAATTTTAACTGCAACCCAGATGATATGGCCCGGGACCTAGAACAGGGTGAC
GTGTCAGAGACGATCAGAATCTTCTTTGAGCAGAGCAAGTCTTTCCCCCAGCTGCCAAAAGCCTCTCA
CCATTAGGAAGTGGATGCCTTCTCCTGCACCTCCTCAAGCTCACAAAGAGGATGAGCAGCAGCAGGC
CCTGCAGGACATAGCCTCCCGGTGTACAGCCAATGACCTTAAGTGCATTATTCGGCTGATCAAACATGAT
CTGAAGATGAACTCGGGTGCAAAACACGTGTTAGATGCCCTTGACCCCAATGCTTATGAAGCCTTCAAAG
CATCGCGCAACCTGCAGGATGTGGTGGAGCGAGTCTTACAATGAGCAGGAGGTGGAGAAGGACCCAGG
CCGGCGCAGGGCTCTGAGGGTCCAGGCCTCACTGATGACGCTGTGCAGCCCATGCTGGCTGAGGCTGC
AAATCCATTGAATATGCAATGAAGAAGTGTCCCAATGGCATGTTCTCTGAGATCAAGTACGATGGTGGAGC



GAGTCCAGGTGCATAAGAAGGGGGACCCTTCAGCTACTTCAGCCGCAGTCTCAAGCCTGTCCTGCCTCA
 CAAGGTGGCCCACTTCAAGGACTATATACCCAAAGCTTTTCTGGGGGTCAAAGCATGATCTTGATTCC
 GAGGTACTCCTGATTGACAACAACACAGGCAAACCACTGCCCTTTGGGACTCTGGGAGTGACAAGAAAG
 CTGCTTTCCAGGATGCTAATGTCTGCCTGTTTGTGTTTGGATTGTATCTACTTTAATGATGTCAGCTTGAT
 GGACAGGCCTCTCTGTGAGCGACGGAAGTTTCTCATGACAACATGGTTGAAATCCGTAAACCGGATCATG
 TTCTCAGAAATGAAGCAAGTACAAAAGCTTCAGACCTGGCTGACATGATAAACCAGGATGATCCGAGAGG
 GCTTGGAAAGGTTGGTGCTAAAGGATGTGAAGGGTACATATGAGCCTGGGAAGCGGCACTGGCTGAAAGT
 TAAGAAAAGATTATTTGAATGAGGGGGCCATGGCTGATACAGCTGATCTGGTGTTCTTGGGCCTTCTAT
 GGGCAAGGGAGCAAAGCGGAATGATGTCCATCTTCTCATGGGCTGCTATGACCCTGACAGCCAAAAGT
 GGTGCACTGTTACAAAATGTGCTGGAGGCCATGATGATGCCACACTTGCCCGCTGCAGAAAAGAGCTGGT
 TATGGTGAAGATCAGCAAGGATCCTAGTAAGATACCCAGCTGGCTGAAGATCAACAAGATCTATTATCCT
 GACTTTATCGTCCAGACCCAAAGAAAGCTGCTGTGTGGGAGATCACAGGGGCAGAATTCTCCAGATCTG
 AGGCACACTGCTGATGGCATCTCCATCCGATTTCTCGATGCACCCGAATCCGGGACGACAAGGACTG
 GAAATCTGCCACTAACCTCCCCAACTCAAGGAAGTGTACCAGCTGTCCAAGACAAGGCAGACTTTGCT
 GTGGTGGCTGGAGATGAGCAAGCCCACTACTGGAGGCAGCAGTGGCGAGAACGAGGGCACTGCTGGGT
 CTGCTGGGCCCTGCAAGGGCCCCCAGTAAGTCTCTGCCAGTGCCAAGACCACCGAAGAGAAGCTCAA
 TAGCCCCAGTAGCAGAGGTGGCATCAAACCGATTCCAAAGCATTCCCCATGAAACCAGGAGAGAAGCTG
 GCTGTGAAGTCTTCTCCAGTCAAAGTGGGAATGAAGAGGAAAGCTACTGATGAGACCCCATGCTGAAAA
 AGGTACTGTTGGATGCTTCACTGGGGTGGGCTCTACTTGCCACCTTCTACACCAGACTTCAAACGTCT
 CAAACGCTACTTTGTGGCATTGACGGGACCTGGTACAGGAATTTGACATGGGCTCAGCCACACATGTG
 CTAGGTAACAGGGAAAAGAACTGATGCCAGTTGGTCTCTCAGAGTGGATTTGGGCATGTATCCGGA
 AACGGAGGCTGATAGCTCCCTGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001291247
- Insert Size:** 3036 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001291247.1](#), [NP_001278176.1](#)

RefSeq Size: 5985 bp
RefSeq ORF: 3036 bp
Locus ID: 16882
Cytogenetics: 11 50.23 cM