

Product datasheet for MR231481

Lig3 (NM_001291247) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Lig3 (NM_001291247) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Lig3
Synonyms: D11Wsu78e
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR231481 representing NM_001291247
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACTTTGGCTTCAAGATCCTCTTCCCGAGAAACCTTTGTGCCCTTGGCAGAAAAGAACTGTGCCTGT
TCCAGAACAGAAATCGCTGGGCTGCCATAAGTCAGTTCAGCCAGTGGTCGAAACAAATCTCCTCGGTGG
GTGCTGCCTTCTCCAGAGAAGAAAGCCTGTCTAGCTCTCCAGAGAGTCACTAAGACCAGTGCCACC
CACCTTACTTTCTGGCCAGGGTCGATGTGGGACTCTGTACTGGCCCTGTGCGATGGCAGAGCAGCGGT
TCTGTGTGGACTATGCCAAGCGGGCACAGCTGGATGCAAGAAATGCAAGGAGAAGATTGTAAGGGCGT
GTGCCGATTGGCAAAGTGGTGCACCCCTTCTCAGAGTCTGGGGGTGATATGAAAGAGTGGTACCAC
ATTAAGTGCATGTTTGAGAACTGGAACGGGCTCGGGCCACCACAAGAAAATTGAAGACCTCACAGAGC
TGGAAAGGCTGGGAAGAGCTGGAAGATAACGAAAAGGAACAGATAAGCCAGCATATTGCAGACCTGTCTTC
TAAGGCAGCTGCCACACCTAAGAAGAAAGCTGCTGTCCAGGCTAAGCTGACAACCACTGGCCAGGTGACA
TCTCCAGTGAAAGGTGCTTCGTTTATTACCAGTACCAATCCTCGGAAGTTCCTGGCTTTTCAGCAAAAC
CCAACAACCTCTGAGCAAGCCCCCTCAAGCCCTGCTCCTGGAACGAGTCTGTCTGCAAGTAAATGTGACCC
TAAGCACAAAGATTGTCTGCTACGAGAGTTCCGGAAGCTGTGCGCCATGGTGGCTGAAAATCCTAGCTAT
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TGTACCTGACAGTAAAGCTGCTGCTGCCTGGTGTCAAGAGTGTTTACAACCTGAATGATAAGCAGAT
TGTAAAACCTTTTAGCCGAATTTTAACTGCAACCCAGATGATATGGCCCGGGACCTAGAACAGGGTGAC
GTGTCAGAGACGATCAGAATCTTCTTTGAGCAGAGCAAGTCTTTCCCCCAGCTGCCAAAAGCCTCCTCA
CCATTAGGAAGTGGATGCCTTCTCCTGCACCTCCTCAAGCTCACAAAGAGGATGAGCAGCAGCAGGC
CCTGCAGGACATAGCCTCCCGGTGTACAGCCAATGACCTTAAGTGCATTATTCGGCTGATCAAACATGAT
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AAATCCATTGAATATGCAATGAAGAAGTGTCCCAATGGCATGTTCTCTGAGATCAAGTACGATGGTGAGC



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GAGTCCAGGTGCATAAGAAGGGGGACCACTTCAGCTACTTCAGCCGCAGTCTCAAGCCTGCTCCTGCCTCA
 CAAGGTGGCCCACTTCAAGGACTATATACCCAAAGCTTTTCTGGGGGTCAAAGCATGATCTTGGATTCC
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 CTAGGTAACAGGGAAAAGAACTGATGCCAGTTGGTCTCTCAGAGTGGATTTGGGCATGTATCCGGA
 AACGGAGGCTGATAGTCCCTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGTTTAA

Protein Sequence:

>MR231481 representing NM_001291247
 Red=Cloning site Green=Tags(s)

MTLAFKILFPRNLCALGRKELCLFPEQNRWAAISQFSQWSETNLLGGCCLLQRRKPVLLALQRGHLRPRAT
 HLTFFWPGSHVGLCTGPCAMAEQRFVYAKRGTAGCKKCKEKIVKGVCRIGKVVPNPFSESGDMKEWYH
 IKCMFEKLERARATTKKIEDLTELEGWEELEDNEKEQISQHIADLSSKAAATPKKKAQVAKLTTTGQVT
 SPVKGASFITSTNPRKFSGFSKPNNSEQAPSSPAPGTSLSASKCDPKHKDCLLREFRKLCAVMAENPSY
 NTKTQIIHDFLQKSTGDGFHGDVYLVKLLLPVIVKSVYLNLDKQIVKLFSTRIFNCNPDMDARDLEQGD
 VSETIRIFFEQSKSFPPAAKSLTTIQEVDAFLLHL SKLTKEDEQQALQDIASRCTANDLKCIRLIKHD
 LKMNSGAKHVLDAIDPNAYEAFKASRNLDVVERVLHNEQEVEKDPGRRRALRVQASLMTVPVQPLAEAC
 KSIEYAMKKCPNGMFSEIKYDGERVQVHKKGDHFSYFSRSLKPVLPKVAHFKDYIPKAFPGGQSMILDS
 EVLLIDNNTGKPLPFGTLGVHKKAAFQDANVCLFVFDCIYFNDVSLMDRPLCERRKFLHDNMVEIRNRIM
 FSEMKVTKASDLADMINRVIREGLEGLVLDKDVGTYPGRHWLVKVKDYLVNEGAMADTADLVVLGAFY
 GQGSKGGMMSIFLMGCYDPSQKWCTVTKCAGGHDDATLARKLQKELVMVKISKDPSKIPSWLKINKIYYP
 DFIVPDPKKAAVWEITGAEFSRSEAHADGIRIFPRCTRIRDDKDWKSATNLPQLKELYLQSKDKADFA
 VVAGDEASPTTGGSSGENEGTAGSAGPCKGPPSKSSASAKTTEQKLNPSRRGGIKPIPKHSPMKPGEKL
 AVKSSPVKVMKRKATDETPCLKKVLVDVFTGVRLYLPSTPDFKRLKRYFVAFDGLVQEFDMGSATHV
 LGNREKNTDAQLVSSEWIWACIRKRRLIAPC

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

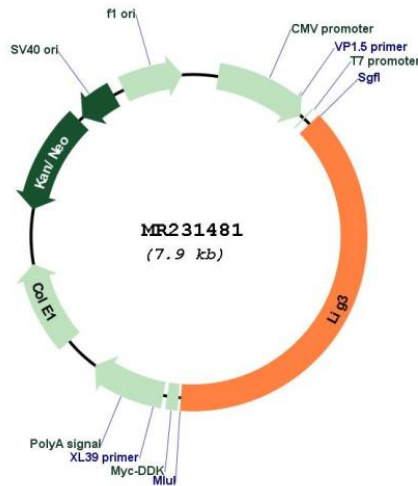
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001291247

ORF Size: 3033 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001291247.1</u> , <u>NP_001278176.1</u>
RefSeq Size:	5985 bp
RefSeq ORF:	3036 bp
Locus ID:	16882
Cytogenetics:	11 50.23 cM
MW:	113.2 kDa