

Product datasheet for MR211442

Lig3 (NM_010716) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lig3 (NM_010716) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lig3
Synonyms:	D11Wsu78e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211442 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGACTTTGGCTTTCAAGATCCTCTTCCCGAGAAACCTTTGTGCCCTTGGCAGAAAAGAACTGTGCCTGT
TCCCAGAACAGAATCGCTGGGCTGCCATAAGTCAGTTCAGCCAGTGGTCGGAAACAAATCTCCTCGGTGG
GTGCTGCCTTCTCCAGAGAAGAAAGCCTGTCTAGCTCTCCAGAGAGGTCATCTAAGACCACGTGCCACC
CACCTTACTTTCTGGCCAGGGTCGCATGTGGGACTCTGTACTGGCCCTGTGCGATGGCAGAGCAGCGGT
TCTGTGTGGACTATGCCAAGCGGGCACAGCTGGATGCAAGAAATGCAAGGAGAAGATTGTAAGGGCGT
GTGCCGATTGGCAAAGTGGTGCACAACCCCTTCTCAGAGTCTGGGGGTGATATGAAAGAGTGGTACCAC
ATTAAGTGCATGTTTGAAGAACTGGAACGGGCTCGGGCCACCACAAGAAAATTGAAGACCTCACAGAGC
TGGAAGGCTGGGAAGAGCTGGAAGATAACGAAAAGGAACAGATAAGCCAGCATATTGCAGACCTGTCTTC
TAAGGCAGCTGCCACACCTAAGAAGAAAGCTGTGTCCAGGCTAAGCTGACAACCACTGGCCAGGTGACA
TCTCCAGTGAAAGGTGCTTCGTTTATTACCAGTACCAATCCTCGGAAGTCTCTGGCTTTTCAGCAGCAA
AACCAACAACCTGAGCAAGCCCCCTCAAGCCCTGTCTCTGGAACGAGTCTGTCTGCAAGTAAATGTGA
CCCTAAGCACAAAAGATTGTCTGTACGAGAGTTCCGGAAGCTGTGCGCCATGGTGGCTGAAAATCCTAGC
TATAACCAAGACCCAGATCATCCATGACTTCTTGCAGAAAGGCTCCACAGGAGATGGCTTTCACGGTG
ATGTGTACCTGACAGTTAAGCTGCTGCTGCTGTCATCAAGAGTGTTTACAACCTGAATGATAAGCA
GATTGTA AAACTTTTTAGCCGAATTTTTAACTGCAACCCAGATGATATGGCCCGGACCTAGAACAGGGT
GACGTGTGAGAGACGATCAGAATCTTCTTTGAGCAGAGCAAGTCTTTCACCCAGCTGCCAAAAGCCTCC
TCACCATTCAGGAAGTGGATGCCTTCTCCTGCACCTCTCCAAGCTCACCAAGAGGATGAGCAGCAGCA
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TGCAAAATCCATTGAATATGCAATGAAGAAGTGTCCAATGGCATGTTCTCTGAGATCAAGTACGATGGT
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 TCACAAGTGGCCCACTCAAGGACTATATACCCAAAGCTTTTCTGGGGTCAAAGCATGATCTTGGAT
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 AGGGCTTGAAGGGTGGTGTAAAGGATGTGAAGGGTACATATGAGCCTGGGAAGCGGCACTGGCTGAA
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 TCTCAAACGCTACTTTGTGGCATTGACGGGGACTGGTACAGGAATTTGACATGGGCTCAGCCACACAT
 GTGCTAGGTAACAGGGAAAAGAACAATGATGCCAGTTGGTCTCCTCAGAGTGGATTTGGGCATGTATCC
 GGAAACGGAGGCTGATAGCTCCCTGC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211442 protein sequence
 Red=Cloning site Green=Tags(s)

MTLAFKILFPRNLCALGRKELCLFPEQNRWAAISQFSQWSETNLLGGCCLLQRRKPVLLALQRGHLRPRAT
 HLTFWPGSHVGLCTGPCAMAEQRFVVDYAKRGTAGCKKCKEKIVKGVCRIGKVVPNPFSESGDMKEWYH
 IKCMFEKLERARATTKKIEDLTELEGWEELEDNEKEQISQHIADLSSKAAATPKKKAQAKLTTTGQVT
 SPVKGASFITSTNPRKFSGFSAAKPNNSEQAPSSPAPGTSLSASKCDPKHKDCLLREFRKLCAVAENPS
 YNTKTQI IHDFLQKGSTGDGFHGDVYLVTKLLLPGVIKSVYNLNDKQIVKLF SRIFNCNPDDMARDLEQG
 DVSETIRIFFEQSKSFPPAAKSLLTIQEVDAFLHLHL SKLTKEDEQQALQDIASRCTANDLKCIIRLIKH
 DLKMNSGAKHVLDA LDPNAYEAFKASRNLDVVERVLHNEQEVEKDPGRRRALRVQASLMTVPQPLAEA
 CKSIEYAMKKCPNGMFSEIKYDGERVQVHKKGDHF SYFSRSLKPVLPKHVAHFKDYIPKAFPGGQSMILD
 SEVLLIDNNTGKPLPFGTLGVHKKAAFQDANVCLFVFD CIYFNDVSLMDRPLCERRKFLHDMVMEIRNRI
 MFSEMKQVTKASDLADMINRVIREGLEGLVLDKVKGTYE PGRHWLKVKKDYLNEGAMADTADLVVLGAF
 YGQSGSKGMMSIFLMGCYDPSQKWCTVTKAGGHDDATLARLQKELVMVKISKDPSKIPSWLKINKIYY
 PDFIVPDPKKAAYWEITGA EFSRSEHTADGISIRFPRCTRIRDDKDKWSATNLPQLKELYQLSKDKADF
 AVVAGDEASPTTGGSSGENEGTAGSAGPCKGPPSKSSASAKTTEQKLNPSRSGGKIPKHSMPKPGEK
 LAVKSSPVKVGMRKATDETPCLKKVLVDVFTGVRLYLPSTPDFKRLKRYVAFVDGDLVQEFDMGSATH
 VLG NREKNTDAQLV SSEWIWACIRKRRLIAPC

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_010716

ORF Size: 3039 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:

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.

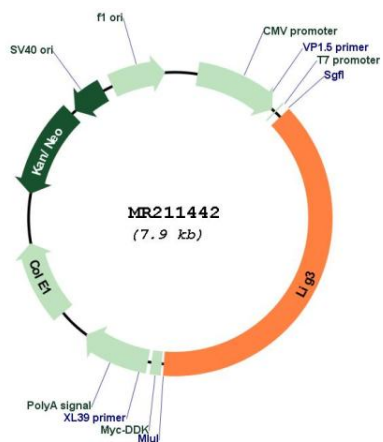
RefSeq: [NM_010716.3](#)

RefSeq Size: 5988 bp

RefSeq ORF: 3039 bp

Locus ID: 16882
 Cytogenetics: 11 50.23 cM
 MW: 112.8 kDa

Product images:



Circular map for MR211442