

Product datasheet for **MG211442**

Lig3 (NM_010716) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lig3 (NM_010716) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lig3
Synonyms:	D11Wsu78e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG211442 representing NM_010716 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACTTTGGCTTCAAGATCCTCTTCCCGAGAAACCTTTGTGCCCTTGGCAGAAAAGAACTGTGCCTGT
TCCCAGAACAGAATCGCTGGGCTGCCATAAGTCAGTTCAGCCAGTGGTCGGAAACAAATCTCCTCGGTGG
GTGCTGCCTTCTCCAGAGAAGAAAGCCTGTCTAGCTCTCCAGAGAGGTCATCTAAGACCACGTGCCACC
CACCTTACTTTCTGGCCAGGGTCGCATGTGGGACTCTGTACTGGCCCTGTGCGATGGCAGAGCAGCGGT
TCTGTGTGGACTATGCCAAGCGGGCACAGCTGGATGCAAGAAATGCAAGGAGAAGATTGTAAGGGCGT
GTGCCGATTGGCAAAGTGGTGCCTCAACCCCTTCTCAGAGTCTGGGGGTGATATGAAAGAGTGGTACCAC
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AACCCAACTCTGAGCAAGCCCCCTCAAGCCCTGCTCCTGGAACGAGTCTGTCTGCAAGTAAATGTGA
CCCTAAGCACAAAGATTGTCTGTACGAGAGTTCCGGAAGCTGTGCGCCATGGTGGCTGAAAATCCTAGC
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TGCAAATCCATTGAATATGCAATGAAGAAGTGTCCAATGGCATGTTCTCTGAGATCAAGTACGATGGT
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 GTGCTAGGTAACAGGGAAAAGAACAAGTATGCCAGTTGGTCTCCTCAGAGTGGATTTGGGCATGTATCC
 GGAAACGGAGGCTGATAGCTCCCTGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG211442 representing NM_010716
 Red=Cloning site Green=Tags(s)

MTLAFKILFPRNLCALGRKELCLFPEQNRWAAISQFSQWSETNLLGGCCLLQRRKPVLLALQRGHLRPRAT
 HLTFFWPGSHVGLCTGPCAMAEQRFVYAKRGTAGCKKCKEKIVKGVCRIGKVVPNPFSESGDMKEWYH
 IKCMFEKLERARATTKKIEDLTELEGWEELEDNEKEQISQHIADLSSKAAATPKKKAHVQAKLTTTGQVT
 SPVKGASFITSTNPRKFSGFSAAKPNNSEQAPSSPAPGTSLSASKCDPKHKDCLLREFRKLCAAMVAENPS
 YNTKTQI IHDFLQKGSTGDGFHGDVYLVTKLLLPGVIKSVYNLNDKQIVKLF SRIFNCNPDMDARDLEQG
 DVSETIRIFFEQSKSFPPAAKSLLTIQEVDAFLHL SKLTKEDEQQALQDIASRCTANDLKCIIRLIKH
 DLKMNSGAKHVLDAIDPNAEAFKASRNLDVVERVLHNEQEVEKDPGRRRALRVQASLMTVPQPLAEA
 CKSIEYAMKKCPNGMSEIKYDGERVQVHKKGDHF SYFSRSLKPVLPKVAHFKDYIPKAFPGGQSMILD
 SEVLLIDNNTGKPLPFGTLGVHKKAAFQDANVCLFVFDYFNDVSLMDRPLCERRKFLHDNMVEIRNRI
 MFSEMKVTKASDLADMINRVIREGLEGLVLDVKGTYPGKRHWLVKVKDYLNEMADTADLVVLGAF
 YQGSKGGMMSIFLMGCDYDPSQKWCTVTKAGGHDDATLARKELVMVKISKDPSKIPSWLKINKIYY
 PDFIVPDPKKAAYVEITGAEFSRSEHTADGISIRFPRCTRIRDDKDWKSATNLPQLKEL YQLSKDKADF
 AVVAGDEASPTTGGSSGENEGTAGSAGPCKGPPSKSSASAKTTEQKLNPSRSGGKIPKHSMPKPGEK
 LAVKSSPVKVGMRKATDETPCLKKVLVDVFTGVRLYLPSTPDFKRLKRYFVAFDGDVLVQEFDMGSATH
 VLGNRKNTDAQLVSSEWIWACIRKRRLIAPC

TRTRPLE – GFP Tag – V

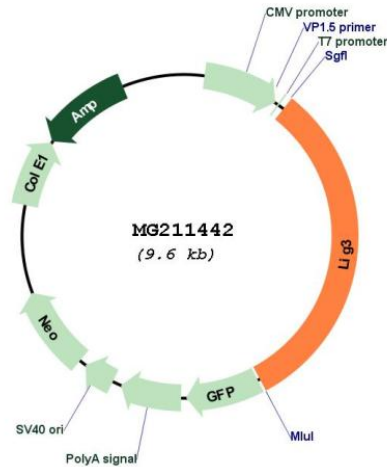
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_010716

ORF Size: 3036 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_010716.3</u>
RefSeq Size:	5945 bp
RefSeq ORF:	3039 bp
Locus ID:	16882
Cytogenetics:	11 50.23 cM