

Product datasheet for **MG205048**

Lum (NM_008524) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lum (NM_008524) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lum
Synonyms:	Ldc; SLRR2D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205048 representing NM_008524 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGTATGTGCGTTCTCTCTTGCCTTGGCATTAGTCGGTAGTGTCAGTGGCCAATACTACGATTATG
ACATCCCTCTCTTCATGTATGGGCAAATATCACCCAACGTGCACCAGAATGTAAGTACCCACAGCTA
CCCAACTGCCATGTACTGTGATGACCTCAAGTTGAAGAGTGTCCAATGGTTCTCTGGCATCAAGTAC
CTTTACCTGAGGAATAACCAAATCGACCATATTGATGAGAAGGCCTTTGAGAACGTACAGACCTGCAGT
GGCTATTCTTGACCACAACCTTCTAGAAAACCTCAAGATCAAAGGAAAGTTTTCTCTAAGCTGAAACA
ACTGAAGAACTGCATATAAACTACAACAACCTGACCGAGTCCGTCGGTCCACTTCCAAAGTCCCTGCAA
GACCTACAGCTGACCAATAATAAAATCAGCAAGCTCGGCTCCTTCGACGGCTGGTCAACTTGACCTTCA
TTTATCTTCAACACAACCAGCTCAAAGAGGATGCTGTCTCGGCTTCTCTGAAAGGTCTCAAATCACTAGA
GTACCTGGATTTGAGCTTCAATCAGATGAGCAAGCTGCCTGTGGTCTACCTACATCTCTTCAACTCTC
TACCTAGACAATAATAAGATCAGCAACATTCGGATGAGTACTTCAAGCGCTTCACTGGGCTGCAATACC
TGCGTTTATCTCACAATGAACTGGCTGATAGTGGGTACCTGGAACTCGTTTAAATATATCATCCTTGCT
CGAGCTTGATCTCTCCTATAATAAGCTTAAAGATATACCAACAGTTAATGAAAATCTTAAAAATTATTAC
CTGGAGGTCAATGAACTTAAAAGTTTGTGTAAGAGCTTCTGTAAGATCCTGGGACCACTGTCTTACT
CCAAGATCAAGCATCTGCGCTTGGATGGCAATCCTCTCACTCAGAGCAGTCTGCCTCTGACATGTATGA
GTGTCTACGTGTAGCAAATGAAATCACCGTTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

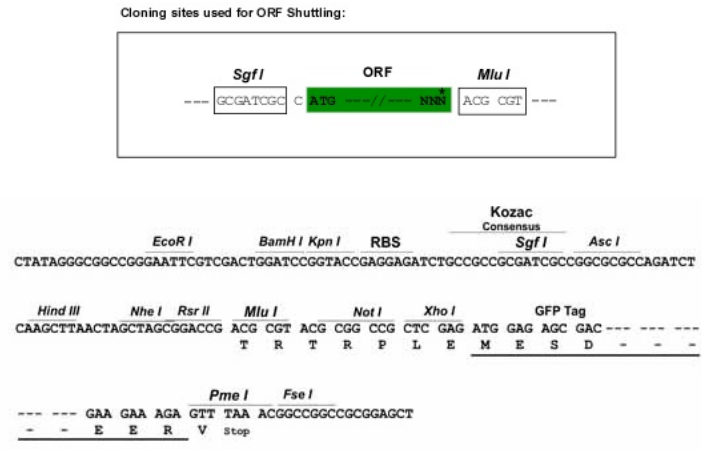
Protein Sequence: >MG205048 representing NM_008524
Red=Cloning site Green=Tags(s)

MNVCAFSLALALVGSVSGQYYDYDIPLFMYGQISPNCAPCECNCPHSYPTAMYCDDLKLSVPMVPPGIKY
 LYLRNNQIDHIDEKAFENVTDLQWLILDHNLLENSKIKGKVFSLKQKLLHINYNNLTVSVGPLPKSLQ
 DLQLTNNKISKLG SFDGLVNLTFIYLQHNQLKEDAVSASLKGLKSLEYLDLSFNQMSKLPAGLPTSLLTL
 YLDNNKISNIPDEYFKRFTGLQYLRLSHNELADSGVPGNSFNISLLELDLSYNKLSIPTVNNENLENY
 LEVNELEKFDVKSFCILGPLSYSIKHLRLDGNPLTQSSLPPDMECLRVANEITVN

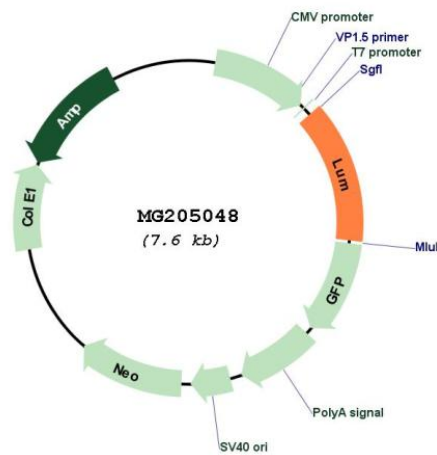
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008524

ORF Size: 1014 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:	NM_008524.2 , NP_032550.2
RefSeq Size:	1782 bp
RefSeq ORF:	1017 bp
Locus ID:	17022
UniProt ID:	P51885
Cytogenetics:	10 50.32 cM