

Product datasheet for **MR205048**

Lum (NM_008524) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lum (NM_008524) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lum
Synonyms:	Ldc; SLRR2D
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205048 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATGTATGTGCGTTCTCTCTTGCCTTGGCATTAGTCGGTAGTGTCAGTGGCCAATACTACGATTATG
ACATCCCTCTCTTCATGTATGGGCAAATATCACCCAAGTGCACCAGAATGTAAGTCCACAGCTA
CCCAACTGCCATGTACTGTGATGACCTCAAGTTGAAGAGTGTCCAATGGTTCTCTGGCATCAAGTAC
CTTTACCTGAGGAATAACCAAATCGACCATATTGATGAGAAGGCCTTTGAGAACGTACAGACCTGCAGT
GGCTCATTCTTGACCACAACCTTCTAGAAAACCTCAAGATCAAAGGAAAGTTTTCTCTAAGCTGAAACA
ACTGAAGAAACTGCATATAAACTACAACAACCTGACCGAGTCCGTCGGTCCACTTCCAAAGTCCCTGCAA
GACCTACAGCTGACCAATAATAAAATCAGCAAGCTCGGCTCCTTCGACGGCTGGTCAACTTGACCTTCA
TTTATCTTCAACACAACCAGCTCAAAGAGGATGTGTCTCGGCTTCTCTGAAAGGTCTCAAATCACTAGA
GTACCTGGATTTGAGCTTCAATCAGATGAGCAAGCTGCCTGTGGTCTACCTACATCTCTTCAACTCTC
TACCTAGACAATAATAAGATCAGCAACATTCCGGATGAGTACTTCAAGCGCTTCACTGGGCTGCAATACC
TGCGTTTATCTCACAATGAACTGGCTGATAGTGGGTACCTGGAACTCGTTTAAATATATCATCCTTGCT
CGAGCTTGATCTCTCCTATAATAAGCTTAAAGATATACCAACAGTTAATGAAAATCTTAAAAATTATTAC
CTGGAGGTCAATGAACTTAAAAGTTTGATGTGAAGAGCTTCTGTAAGATCCTGGGACCACTGTCTTACT
CCAAGATCAAGCATCTGCGCTTGGATGGCAATCCTCTCACTCAGAGCAGTCTGCCTCTGACATGTATGA
GTGTCTACGTGTAGCAAATGAAATCACCGTTAAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205048 protein sequence
Red=Cloning site Green=Tags(s)

MNVCAFSLALALVGSVSGQYYDYDIPLFMYGQISPNCAPCNCPHSYPTAMYCDDLKLSVPMVPPGIKY
 LYLRNNQIDHIDEKAFENVTDLQWLILDHNLLENSKIKGKVFSLKQKLLHINYNNLTSVGPLPKSLQ
 DLQLTNNKISKLGSGFDGLVNLTFIYLQHNQLKEDAVSASLKGLKSLEYLDL SFNQMSKLPAGLPTSLLTL
 YLDNNKISNIPDEYFKRFTGLQYLRLSHNELADSGVPGNSFNISLLELDL SYNKLSIPTVNNENLENY
 LEVNELEKFDVKSFCILGPLSYSIKHLRLDGNPLTQSSLPPDMECLRVANEITVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008524

ORF Size: 1017 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_008524.2](#), [NP_032550.2](#)

RefSeq Size: 2075 bp

RefSeq ORF: 1017 bp

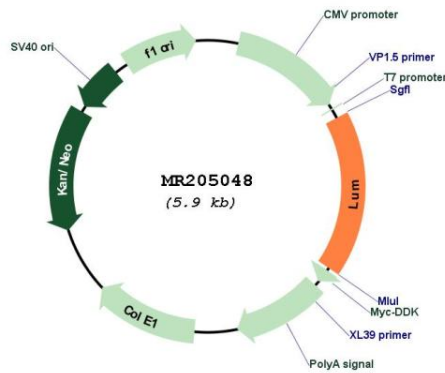
Locus ID: 17022

UniProt ID: [P51885](#)

Cytogenetics: 10 50.32 cM

MW: 38.3 kDa

Product images:



Circular map for MR205048