

Product datasheet for MR222409

Lysmd4 (NM_175215) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lysmd4 (NM_175215) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lysmd4
Synonyms:	4930506D23Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222409 representing NM_175215 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCAGAAGGAAGTGTAGCCAAGAGCTTCCAAGGTCCAGCTGCTGTCTGCAGGACTCCAAACAGCC
ACGTTTACATGTTCAACAATGGCAGCGGGGACTCTGGGGACTCCTCTGAGGAAGAGTCACATCAGGTGGT
GTTACGACCCCGGGCAAGGAGCACCAGAAGAAGCAGCAGCCAACGGCCAGGAGCAGGCACCATGGTTCTG
CTGCAGCGGGAGCTGGCTCAGGAAGACAGCCTCAACAAGCTGGCTCTCCAGTATGGCTGCAAAGTTGCAG
ATATCAAGAAAGCAAACAACCTTTCATCAGAGAGCAAGACCTGTATGCTTTGAAGTCAATCAAGATTCCAGT
GAGAAATCATGGGATTCTCACGGAGACCCACCAAGAACTAATGCCCTTGGGGCTTCATCCTCTGAGACC
AGGGTGACCTGGTAGACCTGCCTGAAGATGAAGATGCTGGTGGAGCAACCACTCAGGGCAACCAGCTGA
CAGACTCTTCAAGGGCATTGATGAGAATTGAGCGGGCTGTGCATTCTGACGTCTTCCACGGTGACAG
CTGCTGTGTGGAGGCCCCAGATCAGCTGCTGCTCCCATAAACCCAGAAGCCAGTAGCCGATGGTGCCGAC
TGTGGGATTCAGTGGTGAATGCCGTCTCCTTATGCTTCTCATTGGGATCGATTGCCAGTGTCTATC
TCGTCTACTTCAAATACAGGCCACCGGGGAGCCCTCAAATGGCTTGAACGCAACTGTTGTCCCCAATGG
CTCGATGACACTGAGCCAGTTCAGGGCAGGCTCCAGGTTGGCAATCCAGTGCCATCCCTCCCCGCT
TCAGACAGCCAGGTCAGCCCTACCACCCAGGCAGGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >MR222409 representing NM_175215
Red=Cloning site Green=Tags(s)

```
MRQKEVLAKSFQGPAAVCRTPNSHVYMFNNGSGDSGDSSEESHQVVLPRGKEHQKNSSQRPAGTMVL
LQRELAQEDSLNKLALQYGCKVADIKANNFIREQDL YALKSIKIPVRNHGILTE THQELMPLGASSET
RVTLVDLPEDEDAGGATTQGNQLTDFFKGIDENIERAVHSDV FHGDSCCVEAPDQLLLPITQKPVADGAD
CGIQWNAVFLMLLIGIVLPVFYLVYFKIQATGEP SNGLNATVVPNGSMTLSPVPGQAPRLAIPVPTLPA
SDSQVSPPTQAGA
```

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9029_h01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_175215

ORF Size: 879 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_175215.4](#), [NP_780424.1](#)

RefSeq Size: 2974 bp

RefSeq ORF: 882 bp

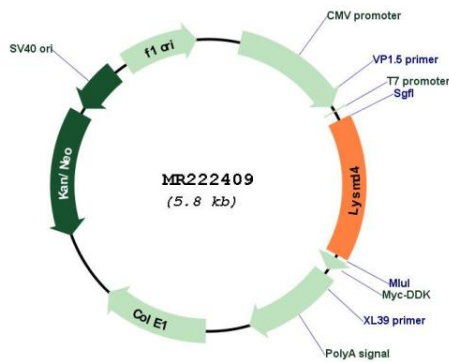
Locus ID: 75099

UniProt ID: [Q8CC84](#)

Cytogenetics: 7 C

MW: 32.1 kDa

Product images:



Circular map for MR222409