

Product datasheet for **MR222410**

Lysmd4 (NM_001191051) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lysmd4 (NM_001191051) 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:	>MR222410 representing NM_001191051 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCAGAAGGAAGTGTAGCCAAGAGCTTCCAAGGTCCAGCTGCTGTCTGCAGGACTCCAAACAGCC
ACGTTTACATGTTCAACAATGGCAGCGGGGACTCTGGGGACTCCTCTGAGGAAGAGTCACATCAGGTGGT
GTTACGACCCCGGGCAAGGAGCACCAGAAGAAGCAGCAGCCAACGGCCAGGAGCAGGCACCATGGTTCTG
CTGCAGCGGGAGCTGGCTCAGGAAGACAGCCTCAACAAGCTGGCTCTCCAGTATGGCTGCAAAGTTGCAG
ATATCAAGAAAGCAAACAACCTTTCATCAGAGAGCAAGACCTGTATGCTTTGAAGTCAATCAAGATTCCAGT
GAGAAATCATGGGATTCTCACGGAGACCCACCAAGAACTAATGCCCTTGGGGCTTCATCCTCTGAGACC
AGGGTGACCTGGTAGACCTGCCTGAAGATGAAGATGCTGGTGGAGCAACCACTCAGGGCAACCAGCTGA
CAGACTTCTTCAAGGGCATTGATGAGAATTGAGCGGGCTGTGCATTCTGACGTCTTCCACGGTGACAG
CTGCTGTGTGGAGGCCCCAGATCAGCTGCTGCTCCCAATAACCCAGAAGCCAGTAGCCGATGGTGCCGAC
TGTGGGATTCAGTGGTGAATGCCGTCTCCTTATGCTTCTCATTGGGATCGATTGCCAGTGTCTATC
TCGTCTACTTCAAATACAGGCCACCGGGAGCCCTCAAATGGCTTGAACGCAACTGTTGTCCCCAATGG
CTCGATGACACTGAGCCAGTTCAGGGCAGGCTCCCAGGTTGGCAATCCAGTGCTACCCCTCCCCGCT
TCAGACAGCCAGGTCAGCCCTACCACCCAGGCAGGGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR222410 representing NM_001191051
 Red=Cloning site Green=Tags(s)

MRQKEVLAKSFQGPAAVCRTPNSHVYMFNNGSGDSGDSSEESHQVVLPRGKEHQKNSQRPGAGTMVL
 LQRELAQEDSLNKLALQYGCKVADIKKANNFIREQDL YALKSIKIPVRNHGILTEHQELMPLGASSET
 RVTLVDLPEDEDAGGATTQGNQLTDFFKGIDENIERAVHSDVVFHGDSCCCEAPDQLLLPITQKPVADGAD
 CGIQWNAVFLMLLIGIVLPVFLVYFKIQATGEPSSNGLNATVVPNGSMTLSPVPGQAPRLAIPVPTLPA
 SDSQVSPPTQAGA

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_001191051

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_001191051.1](#), [NP_001177980.1](#)

RefSeq Size: 3311 bp

RefSeq ORF: 882 bp

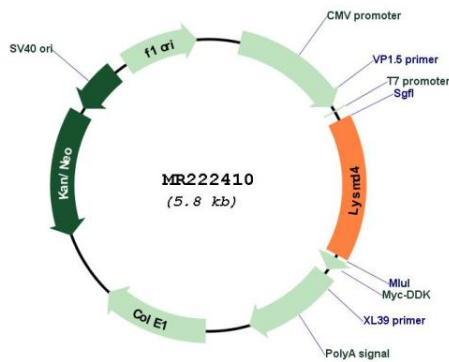
Locus ID: 75099

UniProt ID: [Q8CC84](#)

Cytogenetics: 7 C

MW: 31.7 kDa

Product images:



Circular map for MR222410