

Product datasheet for **RC237269**

LYSMD4 (NM_001284418) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LYSMD4 (NM_001284418) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	LYSMD4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237269 representing NM_001284418 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGCACGAGGAATTGTTAACCAAGACCTTCCAAGGCCAGCTGTTGTGTGGGACTCCGACCAGCC
ACGTATACATGTTAAGAATGGCAGTGGGACTCGGGGACTTCTGAAGAAGAGTCTCACCGTGTGGT
TTTGGCGCCCGGGCAAGGAGCGCCACAAGAGCGGTGCCACCAGCCTCCCAGGCGGGAGCAGGTGAC
GTGGTGTCTGCAGCGGAGCTGGCCCAGGAGGACAGCCTCAACAAGCTGGCGCTGCAGTATGGCTGCA
AAGTTGCAGATATCAAGAAAGTCAACAACCTTCATCAGAGAACAAGACTTATATGCTTTGAAATCTGTAA
GATTCCAGTGAGAAACCATGGGATCCTGATGGAGACCCACAAAGAAGTAAACCCCTTCTGAGCCCGTCT
TCCGAGACCACAGTGACCGTGGAACTGCCAGAGGACAGACAGAGCAGGCGCGGGCACCGGTGCCAGGCCG
GCCAACTGATGGCTTCTTTAAGGGATTGACCAGGATATTGAGCGTGCAGTGCAGTGCAGAAATCTTTCT
ACATGAAAGTTACTGCATGGACACCTCCCATCAGCCACTGCTCCCGCACCTCCGAAGACGCCTATGGAT
GGTGCAGATTGTGGCATTCAAGTGGTGAATGCTGTTTTTCATCATGCTGCTGATTGGTATTGTCTTGCCCTG
TCTTTTATTTGGTCTACTTTAAAATACAAGCTAGTGGTGAGACCCCTAATAGCTTGAACACAAGTGCAT
CCCAATGGCTCGATGGCAATGGGTACAGTTCAGGGCAAGCCCCAGACTAGCAGTTGCAGTGCCAGCC
GTCACTTCTGCAGACAGCCAGTTCAGTCAGACCACCCAAGCGGGGAGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237269 representing NM_001284418
Red=Cloning site Green=Tags(s)

MRHEELLTKTFQGPVAVCGTPTSHVYMFKNGSGDSGDSSEEESHRVVLRPRGKERHKSGVHQPPQAGAGD
 VVLLQRELAQEDSLNKLALQYGCKVADIKKVNFIREQDLYALKSVKIPVRNHGILMETHKELKPLLSPS
 SETTVTVLPEADRAGAGTGAQAGQLMGFFKGIQDIERAVQSEIFLHESYCMDTSHQPLLAPPKTPMD
 GADCGIQWNAVFIMLLIGIVLPVLYL VYFKIQASGETPNSLNTTVIPNGSMAMGTVPQGAPRLAVAVPA
 VTSADSQFSQTTQAGS

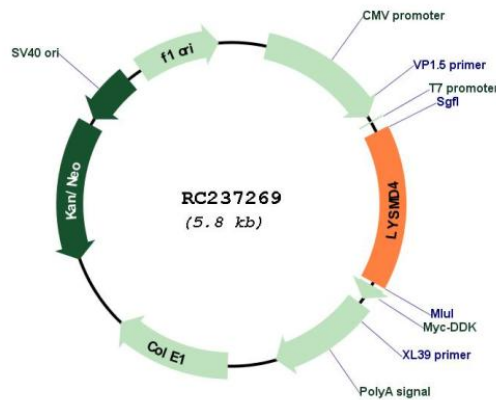
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284418

ORF Size:	888 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_001284418.2
RefSeq Size:	2722 bp
RefSeq ORF:	891 bp
Locus ID:	145748
UniProt ID:	Q5XG99
Cytogenetics:	15q26.3
Protein Families:	Transmembrane
MW:	32.5 kDa