

Product datasheet for **RN200737**

Mylk2 (NM_057209) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mylk2 (NM_057209) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mylk2
Synonyms:	Klmc; Mlck
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200737 representing NM_057209
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTACAGAAAACGGAGCAGTTGAGCTGGGAACCCAGAGTCTGTCAACAGACCACCCACCTACAGACG
 CAGCAGGTGATGGATCTCCAGCTTCAGAGAAAAGAACCCAGCCTCCAGACACAGAGAAAGACCTGGGCC
 CACTAACACGAAGAAAGACCCTGGCGCGCCGGATCCAAAGAAAAATCCAGATCCACCCTCCCTGAAGAAA
 ACTCCCGAAGCCCTGGTCCAGAGAAAAAGGGTACTCGGCCACAGCTTCAGCCAGCAACCAGGGCCCTT
 CAGGAGAGGGTGATGGAGGTGGGGCCCTGCTGAAGGCGGTACGGGGCCTCCTGCAGTCTTGCCCGACGC
 CACTGCCACAGCTGATGCCAGCATCCAGAAGCTGGACGCCACGCAAGCGCCCTCGGGCAACCAGGAATCT
 GGAGAGGCCAAGGCAGGCAAGAAGGCAGCAGAATGCCGAGAAGCAGGACGAAGGGGCTCACCCGCTTTTC
 TTCACAGCCCTAGCTGCCCGCGATCATCTCCTGTTCTGAGAAGACTGGCCATGAAGCCCTTAAGCGA
 GACAACAGAGCTCATCTTTCAGGGGTGTCTGAAACCCCTGATCCCAAGATCCTGGTCCAGCTAAGGAC
 GAAGGAGGGACGAACACGCTGGCAGACGGGAAAGAAGAGGCAGAGGCAGGCCAGGCTGAGCAGGCTAAGG
 TGCAAGGGGACACCTCCAGAGGATCGGGTCCAGGCTGTTCCCTCAGAGAGAGCAGAGGTGGGGCAGGC
 CCTCTGTCTACGGCCAAGGAGGAAGACTGCTTCCAAATTCGGATGATTGTCCACCACCCCGAGCCCC
 TTCCACACAGGATCGTGGAGCTGAGGACCGGAAATGTCAGCAGTGAATTCAGCATGAACTCAAAGGAGG
 CATTGGGAGGTGGCAAGTTTGGAGCTGTGTGCACCTGCACGGAGAGATCCACAGGCTCAAGCTGGCAGC
 CAAGGTCATCAAGAAACAGACCCCAAGGACAAGGAAATGGTGTGCTGGAGATCGAGGTCATGAACCAG
 CTGAACCACCGCAATTTGATCCAGCTGTACTCAGCCATTGAGACCTCTCACGAGATCATCCTGTTTATGG
 AGTACATTGAGGGCGCGAGCTCTTTGAGAGGATCGTGGATGAGGACTACCAACTGACGGAAGTGGATAC
 CATGGTGTTCGTCAGGCAGATCTGCGACGGATCCTCTTCATGCACAAGATGAGGGTCTGCACTTGGAC
 CTCAAGCCAGAGAACATCCTGTGTGTGAATACCACCGGCACTTGGTGAAGATAATTGACTTCGGCTGG
 CAAGAAGGTATAACCCCAATGAGAAGCTGAAGGTGAATTTGGGACCCCGGAGTTCCTGTACCAGAGGT
 GGTGAACTATGACCAGATCTCTGACAAGACGGACATGTGGAGTCTTGGGGTATCACCTACATGCTACTG
 AGTGGCTCTCTCCCTTCTGGCGACGATGACACGGAGACCCTAAACAACGTCCTGTCTGCCAAGTGGT
 ACTTTGATGAGGAGACTTTTGAAGCTGTGTCAGACGAGGCCAAAGACTTCGTTTCCAATCTTATCACGAA
 GGACCAGAGTGCCAGAATGAGTGTGAGCAGTGCCTCGCCACCCCTGGCTCAACAACCTGGCAGAAAAA
 GCCAAGCGCTGCAACCGTCGTCTCAAGTCCAGATCCTGCTTAAGAAATACCTCATGAAGAGGCGCTGGA
 AGAAAACTTCATTGCTGTCAGCGCACGCAATCGCTTCAAGAAGATCAGTAGCTCGGGGGCACTGATGGC
 TTTGGGGTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_057209

Insert Size: 1833 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_057209.1](#), [NP_476557.1](#)

RefSeq Size: 2799 bp

RefSeq ORF: 1833 bp

Locus ID: 117558

UniProt ID: [P20689](#)

Cytogenetics: 3q41

Gene Summary: kinase; phosphorylates a serine in the N-terminus of a myosin light chain [RGD, Feb 2006]