

Product datasheet for **RR212292**

Mcoln1 (NM_001105903) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mcoln1 (NM_001105903) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mcoln1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212292 representing NM_001105903
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACCGCGCGGGCCGGCGGGCTCAGAGACCGAGCAATTGCTGACCCCCAATCCTGGGTATGGGACCCAGGCGGGACCTCACCAGCCCCACAACCCCCCAGAAGAGGAAGACCTCCGCGCCGCTCAAGTACTTTTTATGAGTCCATGTGACAAGTCCGGGCCAAAGGTCGCAAGCCCTGCAAGTTGATGCTGCAGGTGTCAAGATCTTGGTGGTCACTGTGCAGCTCATTCTCTTTGGACTCAGCAACCAGCTGGTGGTGACATTCCGGGAAGAGAACCATTGCCTCCGACACCTCTTCTGCTGGGTTACTCTGATGGGTCTGATGACACCTTGGCGCTACACACGGGAGCAGCTCTACCAAGCCATCTTCTATGCTGTGGACCAGTACCTGACACTACCCGAGATATCCCTGGGCCGGTATGCCTATGTCGTGGTGGGGCGGGCCTGGGCCAATGGCTCAGCTCTGGCTCTCTGCCAGCATATTACCACCGTGGCCATGTGGACCCAGCCAACGATACCTTTGACATTGATCCAAGGGTAGTCACTGACTGTATCCAGGTGGATCCTCCTGACAGACCTCCTGACATCCCCAGTGAGGACTTGGACTTCTTGGATGGCAGCACCAGTTACAAGAACATCATTGAAATCCACAAGCTGATCAACGTCACCATCCACTTCAAAGTGAAGACAATTAACCTGCAGAGCCTCATCAACAACGAGATCCCTGACTGTTACACCTTCAGTATCCTGATCACATTTGACAATAAAGCACACAGTGGGCGAATCCCCATCCGCCTGGAGACCCAGACCCACATCCAGGAGTGTAAACACCCAGTGTCTCCAGACACGGAGACAACAGCTTCCGGCTTCTGTTTGTATGGTGGTCACTCACCTGCCTGCCTTCTGCTGTGTGCCCGCTCACTGCTCCGTGGCTTCTGCTGCAAAACGAGTTTGTGTATTCATGTGGCGCGGGCGGGCCGGAAATCAGCCTCTGGGAACGGCTGGAGTTGTCAATGGCTGGTACATCCTGCTGGTACCAGTGACGTGCTTACCATCTCGGGACTATCATGAAGATTGGCATTGAGGCAAAGAACCAGCCAGCTATGATGTCTGCAGCATCCTCCTGGGTACCTCAGCTCTGCTGGTCTGGGTTGGTGTCACTTCCGCTACCTGACATTTTTCCACAAGTACAATATCCTGATTGCCACGTTGCGAGTGGACTGCCAGTGTATGCGTTTTCTGCTGCTGTGTGGCTGCATCTACCTGGGCTATTGCTTCTGGGCTGGATTGCTGGGACCCTACCATGTGAAGTCCGCTCGCTGCCATGGTTCCGAGTGCCTGTTCTCCCTCATCAACGGGACGACATGTTCTGTGACGTTTGCAGCCATGCAGGCCAGCAGGGTGCAGTAGCCTGGTGGGCTTCTCGCAGCTTACTCTACTCTTATCAGCCTTTCATCTACATGGTGTGAGTCTCTTCA TCGCACTCATACCGCGCCTACGACACTATCAAGCACCCAGGAGGACTGGCACAGAGAAGAGTGAGCTCCAGGCCATATTGAGCAGTGCCAGGATAGCCCCAGTCTGGCAAGTCCGCTGGAAGTGGCTCCACTGTAGCCTTCTGTGCTGTGTGGAAGAACTCTCCGGAGGACCATTCACTGCTGGTGAAC

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212292 representing NM_001105903
 Red=Cloning site Green=Tags(s)

MATAAGRGRGSETEQLLTPNPGYGTQAGTSPAPTPPEEEDLRRRLKYFFMSPCDKFRAGRKPCKLMLQVVKILVVTQQLILFGLSNQLVVTFREENTIAFRHLFLLGYSDGSDDTFAAYTREQLYQAIIFYAVDQYLTLP EISLGRYAYVRGGGPWANGSALALCQRYHRGHVDPANDTFDIDPRVVDICIQVDPDRPPDIPSEDLDFLDGSTSYKNITLKFHKLINVTIHFQLKTINLQSLINNEIPDCYTF SILITFDNKAHSGRIPIRLETQTHIQECKHPSVSRHGDNSFRLLFDVVVILTCSL SFLLCARSLLRGFLLQNEFVVMWRRRGREISLWERLEFVNGWYILLVTSVLTISGTIMKIGIEAKNLASYDVCSILLGTSTLLVWGVIRYLTFFHKYNIL IATLRVALP SVMRFCCCVAVIYLYGYFCGWIVLGPYHVKFRSLSMVSECLFSLINGDDMFVTFAMQAQQGRSSLVWLFSQLYLYSFI SLFIYMLSLFIALITGAYDTIKHPGGTGTEKSELQAYIEQCQDSPTSGKFRRGSGSTCSLLCCCGRNSPEDHSLLVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1740 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_001105903.1 , NP_001099373.1
RefSeq Size:	2070 bp
RefSeq ORF:	1743 bp
Locus ID:	288371
Cytogenetics:	12p12
MW:	65.5 kDa