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Product datasheet for MC223494

Mkl2 (NM_153588) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mkl2 (NM_153588) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mkl2
Synonyms:	ENSMUSG00000075401; Gt4-1; mKIAA1243; MRTF-B; Mrtfb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>MC223494 representing NM_153588
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATCGATAGCTCCAAGAAGCAGCCACAAGGCTTCCCAGAAATTTTAACTGCTGAGGATTTTGAACCTT
TCAAAGAAAAGGAATGCCTTGAGGGAAGCAACCAGAAAAGTCTCAAGGAAGTGCTCCAGCTGAGGCTGCA
ACAAAGGAGGACAAGAGAACAACTAGTGGACCAGGGCATCATGCCACCTTTGAAGAGTCCAGCAGCATTC
CATGAGCAGATAAAAAGCCTGGAGCGAGCCAGAACTGAGAATTTTCTGAAGCACAAGATCCGGAGCCGCC
CAGACCGCTCTGAGCTTGTCAGGATGCATATTTTAGAAGAAACGTTTGCAGAGCCATCTCTTCAGGCCAC
ACAGATGAAGCTGAAGAGAGCTCGGCTGGCAGATGACCTGAACGAGAAGATTGCTCAAAGGCCTGGTCCC
ATGGAGCTGGTGGAGAAGAACATCCTTCCTGTGGATTCGAGTGTCAAGGAAGCGATTATAGGTGTGGTGA
AGGAGGACTATCCTCACACTCATGGCGAGTTCTCATTTGATGAAGATAGCAGTGATGCTTTGTCTCCAGA
CCAGCCAGCGAGCCAGGAGTCTCAGGGCTCAGCTGCATCCCCCAGTGAGCCAAAAGTCAGTGCCTCGCCA
CCTCCTGTGACTGCAAGCACTCCAGCCCAGTTTACCTCAGTGTCCCCAGCAGTTCCTGAATTCTTGAAAA
CCCCTCTAACTGCAGACCAGCCTCCCACAAGGTCTACAGCTCCCGTGCTCCCTACAAACACTGTGTCCTC
AGCGAAGTCTGGCCCAATGCTGGTGAAGCAAAGCCATCCCAAGAATCCAAACGACAAACACCGTAGCAAA
AAATGCAAAGATCCGAAACCGCGAGTGAAGAAGCTTAAGTACCACCAGTACATTCCACCCAACCAGAAGG
GGGAGAAGAGCGAGCCACAGATGGACTCCAACTATGCCCGCCTGCTCCAGCAGCAGCAGCTCTTCCTACA
GCTGCAGATCCTGAGCCAGCAGCAGCAGCAACAGCAGCAGCAGCACTACAACTACCAGACCATCCTACCT
GCACCCATCAAAACTGACAAGAACAGCAGCAGCGGCAGTAACAGCGGCAGTAGCAGCAGCATGCCGGCGA
GGAGGCCAGGACCGCTGCCCTCCAGCTTGGATGACTTAAAGGTGTCAGAGCTGAAGACAGAACTCAAACT
GAGGGGTCTGCCAGTGTCAGGAACTAAACCAGACCTCATTGAACGCCTGAAACCCTACCAGGAAGTGACC
AGTAGTAACCTTGCCACTGGCAGTATTGTGGCAGTGTCATCAGCAACCATTGTCACCAGTAACCCAGAGG
TCACAGTGGCACTGCCAGTCACAACACTGCATAATGCTGTAACAAGCTCTGTGTCCACTTTCAAGGCAGA
CTTGGCACTTCCTGCAACCAGCAGTGTGCCCCATGTTGAAAATGCCCACTCTCCTCTGCCCATCTCCCCA

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TCACCCTCTGAGCAGTCCAGTCTCAGTACCGATGACACAAACATGACAGACACCTTCACAGAGATCATGA
CTATGATGTCACCTTCCCAGTTGTTGTGTTCATCTCCCCTGAGGGTGGTGAGCCATGATGACAGCCTGAG
CCCTTCCAGTAGCACCCTGTCTACTCTAGAACTGGATGCTGCTGAGAAGGACCGCAAACTTCAGGAGAAG
GAGAAACAGATTGAAGAACTGAAGAGGAAACTGGAACAAGAACAGAAGCTTGTGGAGGTCCTCAAGATGC
AGCTTGAGGTGGAAAAACGTGGGCAGCAGCGACCACCAGACCCTCAGCCCAGTGATCCCCCACATCCCTT
TAATACATCAGATCCTAAACATGGCAGTGTTGGGTCCTCCATCAAGGATGAGGCCTCACTCCCTGACTGC
TCCAGCCCCCAGCAGCCCATCACAGTGCCTGGCCACTCTGTAGGCCAGCCCATCTCCACGGGTAGCCAGA
CCCTTGTTGCCAAAAAGACTGTGGTCGTCAAGCAAGAGGTCCCCATGGCCCAAGCAGAGCAGCAGAACGT
TGTCTCGCAGTTCTACCTTAGTTCCCAGGGACAGCCACCTGCCCTTGTTGCTCAGCCTCAGGCCTTACTG
ACCACACAGACAACTCAGCTGCTGCTGCCAGTGTCCATCCAGGGCTCAAATGTTACTTCAGTGCAACTCC
CAGTAGGCAGCCTTCAACTCCAGACCCCAGCACAAGGAAGAGTCCAGGCTCAGCCTCATGTAGCTGCTGC
CACACAGGTTCCAGCTGCAGCCCTGCCCTCAGCCTTGACCTCAGCACTGCCTCAGAAGCAGGAAGCCTTC
CCACAGCACGTGTTGGGCCAGCCTCAGCCAGTCAGAAAGGTCTTCACAAACTCGGCACCAAACACAGTTC
TTCAGTATCAGAGGCAGCCTGGCCCAACGAACCAGCAGCCCTTTGTCAGTAAGACCTCTAACCCTGCTCT
TCAATCCAGAACTGCCCCACTTGCACCCCTGCAAAATGGACCCAGCCTAGCCAGCAAGCCTAGCTCACCA
CCCCCACCCCAGCAGTTTGTTGTTCAGCACTCTTTGTTTGCAACCCCAATCACGAAGACAAAAGATCCAC
CTCGATATGAGGAAGCCATCAAGCAGGCACGTAGCACACAGCCAGCCCTTCCAGAGGTTTCCAGTGTGCA
CAGTCAGCAGATGGACGACCTCTTCGACATCCTCATAAAGAGTGGAGAGATTTCCTTCCCAATAAAAGAA
GAGCCTTCTCCAATTTCCAAGATGAAACCAGTGACAGCCAGCATCACCACAATGCCAGTCAATACCGTGG
TCTCTCGACCACCGCCCCAGGTCCAAATAGCACCACCTGTATCCTTAGAACCTGTGAACAGTTTATCTGC
CAGCTTAGAGAACCAGCTAGAAGCCTTCTTGGATGGCACTTTGCCCTCGGCCACTGACACTGGCCCACTG
CAGAACAGCAGTGAAGATAGAGAGTCTTTCTCTCTGATCGAGGATCTGCAGAACGACTTGCTGAGTCATT
CCAGCATGCTGTACCAGTCTCACTCTCCCATGGAGACCTCTGAGGCCCAGTTGGTGTCAGGGACCCCCTG
TCTATCTCTTGACCTGTCAGACTCCAACCTGGACAACATGGAGTGGCTAGACATTACCATGCCCACCACA
TCCTCCGGGCTCACTCCACTGAGTACCACTGCGCCAAGCATGTTCTCTGCTGATTTTCTGGACCCACAGG
ACCTGCCGCTGCCATGGGACTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_153588

Insert Size: 3243 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_153588.3, NP_705816.2

RefSeq Size:	8295 bp
RefSeq ORF:	3243 bp
Locus ID:	239719
UniProt ID:	P59759
Cytogenetics:	16 A1
Gene Summary:	Acts as a transcriptional coactivator of serum response factor (SRF). Required for skeletal myogenic differentiation.[UniProtKB/Swiss-Prot Function]