

Product datasheet for **MC219655**

KIhl41 (NM_001081087) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIhl41 (NM_001081087) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	KIhl41
Synonyms:	Gm112; Kbtbd10; SARCOSIN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219655 representing NM_001081087
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTCCAGCGGGAGCTTGCAGAGGAACCTCCGGCTTTACCAATCCACCCCTTCTTCAGGATGGTCTAA
 AAGATCTCCTGGAAGAGAAAAAGTTCATCGATTGCACCCTAAAAGCAGGTGACAAAAGTTTTCTTGCCA
 CAGACTGATACTATCGGCTTGTAGCCCTTACTTCCGTGAGTATTTTTATCTGAAATTGAGGAGGAGAAA
 AAAAAGGAGGTAGCCCTAGACAACGTGGATCCTGCTATACTTGATTTAATCATCAAAATCTGTACTCTG
 CCAGTATCGATCTCAATGATGGGAATGTCAAGACATCTTCGCCCTGTCCAGCCGCTTCCAGATCCGTC
 GGTGTTACCCGTCTGTGTCTTACCTTCAGAAAAGACTGGCTCCCGTAACTGTCTGGCCATCCTAAGA
 TTGGGGCTGCTTCTCGACTGCCGAGACTTGCATTTCTGCCGGGAGTTTGTGTCTGATCGCTTGTGC
 AGATTTGTAAGGAAGAAGATTTTCATGCAACTGTCCCAACAAGAACTGATCTCCGTCATTTCAAACGACAG
 CCTCAACGTAGAAAAGGAGGAAGTAGTATTTGAGGCCGTGATGAAATGGGTGCGGACAGACAAAAGAAAC
 AGGGCAAAAAATCTTAGTGAGGTGTTGACTGTATTCGTTTTCGCCTTATGGCAGAGAAAATTTCAAAG
 ATCATGTGCGAAGATGACATAATTAAGCAACCCAGAAAGTCCAGAAAAAATCAAAGTTCTAAAAGA
 CGCTTTTGCAAGCAAACTTCCGGAACCCAGCAAAAATGCAGAGAAGGCAGGGGCGGGCGAGGTGAACGGC
 GATGTTGGTGATGAAGACTTACTTCCCGGTTACCTGAACGATATCCCAAGCATGGAATGTTTGTAAAG
 ATCTCATCCTCTTGGTCAATGACACGGCTGCAGTAGCGTATGACCCCATGGAAAATGAGTGCTACCTTAC
 TGCCCTGGCAGAGCAGATCCCAAGAAACATTCCAGTCTTGTACCCAACAGAATCAGGTCTACGTGGTC
 GGGGACTGTATGTGGACGAAGAAAATAAGGATCAACCCCTGCAATCGTACTTTTTCCAGCTTGATAACG
 TAACATCTGAGTGGTGGGACTTCCGCCTCCTCCATCAGCCAGGTGTCTTTGGCCTGGGAGAAGTGA
 TGACAAAATCTATGTGGTGGCCGCAAGACCTTCAAACAGAGGCCTCACTGGATTCGCTGCTATGCTAC
 GATCCTGTGGCTGCAAGTGAGTGAAAGTAAAAATCTTCTTAAAGTTTATGGCCATATGTGATTT
 CACACAATGGGATGATATACTGTCTAGGCGGAAAGACAGATGACAAAAGTGTACAAAATAGGGTATTTAT
 CTACAACCCCAAGAAAGGAGACTGGAAAGATCTGGCTCCGATGAAAACCCCTCGTTCCATGTTTGGCGTG
 GCAATCCATAAAGGCAAGATTGTGATCGCAGGAGGTGCACTGAAGATGGTCTTTCAGCTTCAGTTGAAG
 CCTTTGACCTCAAACCAATAAGTGGGAAGTGATGACGGAATTTCCCAAGAAAGAAGTTCTATCAGCCT
 GGTGAGCCTGGCGGGAGCCCTGTACCCATCGGTGGCTTTGCGATGATCCAGCTGGAATCTAAAGAGTTT
 GCACCCACTGAAGTCAATGACATATGGAAGTATGAAGATGATAAAAAAGAATGGGCTGGGATGCTGAAGG
 AAATCCGTACGCTTCGGGAGCTAGTTGCCTAGCAACCGCCTAAATCTGTTAAACTGTCTAAACTATA
 A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001081087
Insert Size: 1821 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001081087.1](#), [NP_001074556.1](#)

RefSeq Size: 2538 bp

RefSeq ORF: 1821 bp

Locus ID: 228003

UniProt ID: [A2AUC9](#)

Cytogenetics: 2 C2

Gene Summary: Involved in skeletal muscle development and differentiation. Regulates proliferation and differentiation of myoblasts and plays a role in myofibril assembly by promoting lateral fusion of adjacent thin fibrils into mature, wide myofibrils. Required for pseudopod elongation in transformed cells.[UniProtKB/Swiss-Prot Function]