

Product datasheet for **MC219948**

Klhl31 (NM_172925) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klhl31 (NM_172925) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Klhl31
Synonyms:	9830147P19Rik; D930047P17Rik; Kbtbd1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219948 representing NM_172925
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCACCCAAAAAGAAGACTATCAAGAAGAACAAGGCAGAGATCAACGAGATGACCATCATTGTAGAAG
 ACAGCCCCCTAAGCAAGCTGAATGCTCTAAATGGGCTTCTGGAGGGAAGCAACAGCCTTAGCTGTGTTTC
 TTCCGAACTAACAGACACTTCTTATGGCCCCAACCTCCTCGAAGGTTTAAAGTAAAATGAGACAAGAGAGC
 TTTCTATGTGACTTGGTCATCGGTACCAAAAACCAAGTCCTTTGATGTCCATAAGTCAGTGATGGCTTCAT
 GCAGCGAGTACTTTTATAACATCCTTAAAAACGATCCGTCACGAAAAGGGTAGACCTCAATGATATCGC
 CCCTTTAGGGCTAGCCACAGTGATCGCGTATGCTTACACGGGAAAGCTGACCCTTTCTTTATACACAATA
 GGAAGCATCATTTCTGCTGCTGTGTACCTCCAGATCCACACCCTTGTAAGATGTGCAGCGATTTTCTGA
 TCCGAGAGATCAGTGTGGAGAACTGCATGTACGTGGTTAACATTGCTGAGACCTACAGCTTGAAAAACGC
 AAAGGCAACAGCCAGAAATTCATCCGGGATAACTTCATCGAATTTGCAGAATCCGAACAATTTATGAAG
 CTTACGTTTGAACAGATTAACGAGCTTCTCGTAGATGACGACTTACAATTGCCTTCTGAGCTTGTAGCAT
 TCCAGATCGCAATGAAATGGTTAGAATTCGACCAAAAAGAGAGTGAAGCATGCGGCAGATCTTCTAAGCAA
 CATTTCGTTTGGTACCATCTCTGCACAAGACCTGGTCAATTATGTTCAAACCGTACCGAGGATGATGCAA
 GACGCTGATTGTCATAAACTGCTTGTGGATGCCATGAATATCACTTACTCCCTTATCATCAAAAACACAC
 TGCAATCTAGGCGCACAAAGATTAGAGGCGGCTGCCGAGTTCTGATCACTGTTGGGGGACGCCCCGGCT
 GACTGAGAAGTCCCTTAGTAGAGACATTTATATAGAGACCCTGAAAAAGGATGGAGCAAGCTTACAGAA
 ATGCCAGCCAAGAGTTTTAATCAGTGTGTGGCTGTGATGGATGGATTCCTTTATGTAGCAGTGGTGAGG
 ACCAGAATGACGCCAGAAACCAAGCCAAGCACGCAGTCAGCAATTTCTGCAGGTACGATCCCCGCTTCAA
 CACCTGGATTCACCTTGGGAGCATGAACCAAGAAGCGCACGCACCTTCAGCCTGAGCGTGTTCACCGGCTG
 CTGTACCGGTTGGGCGCGTAACCTCCGAGGGCAGCCTGGCTTCGCTGGAGTGCTACGTGCCCTCCACCA
 ACCAATGGCAGCCCAAAGCGCCGCTCGAGGTGGCGCGTGTGCCACGCCAGCGCGTGGCCGACGGCCG
 CGTGATCGTGACCGGGGCTACATCGGCAGTGCCTACTCGCGTCCGTGTGCGCTACGACCCCGCGCTC
 GACGCGTGGCAGGAGCTGCCCCAGTGCAGCACGCCCGAGGCTGGCACTGCGCGGTGGCGCTGGGCGACA
 GGCTGTACGTGATGGGGGCGAGCAGCTGGGGCCGCGGGGAGCGCGTGGACGTGCTACGGTGGAGAG
 CTTAGTCCCGCAGCGCGCCAGTGGAGCTTCGTGGCGCCGCTGCCCGTGGCGTGCAGCGCGGGTGTG
 TCGGCGCTGCACGGGCGAGCCTACCTGTGGGCGGCTGGAACGAGGGCGAGAAGAAGTACAAGAAATGCA
 TCCAGTCTTCAACCCGAGCTCAACGAGTGGACGGAGGACGACGAGCTGCCCGAGGCCACCGTGGGCGT
 GTCTGTGCACGCTGGCCATGCCAACAGCGTGTCCCGAGAGTACGGGCCAGCTCGGTGTCCTCCGTG
 CCGTCAAGTAT**TGA**

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_172925
- Insert Size:** 1905 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_172925.2](#), [NP_766513.2](#)

RefSeq Size: 6260 bp

RefSeq ORF: 1905 bp

Locus ID: 244923

UniProt ID: [Q8BWA5](#)

Cytogenetics: 9 D-E1

Gene Summary: Transcriptional repressor in MAPK/JNK signaling pathway to regulate cellular functions. Overexpression inhibits the transcriptional activities of both the TPA-response element (TRE) and serum response element (SRE) (By similarity).[UniProtKB/Swiss-Prot Function]