

Product datasheet for **MR212364**

Klh132 (NM_001033531) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Klh132 (NM_001033531) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Klh132
Synonyms:	6430524H05Rik; D4Ertd389e; Gm1356; mKIAA1900
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR212364 representing NM_001033531
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGTCTGAACACTGCCTCAGTATTCAAGAAATGCTGACGGGCCAGAGGCTGTGCCACTCGGAAACTC
 ACAATGACACGGTCTGGCGGCGCTGAATCAGCAAAGAAGTGATGGCATTCTCTGCGACGTGACCCTGAT
 CGCCGAGGAACAGAAATCCACGCTCACAGGCGGTCCTAGCAGCCTGCAGTGACTACTCCGGGAATG
 TTCAGTCTTTGTATGGTGGAAAGTGAGCCGATGAAGTAAATTTACGTGGTGTGACCAGCCTGGGCTTAA
 AGCAGGCTCTGGAGTTCCGATATACAGGACAGGAACTAAATAGCTTTAATTACTTGGATCTGTACAGACT
 TGCTGACCTCTTTCACCTCACTTTGTTGGAGAAGGCAGTGATTGACTTCTAGTGAAGCATCTCTCGGAG
 CTCCTGAAGAGCCGCCAGAGGATGTCTCACGCTGCCCTACTGCCTGCTCAGGAGGTGCTGAAGAGTG
 ACCGCCTGACGTCCTGAGTGAGGAGCAGATCTGGCAGCTAGCTGTGAGGTGGTGAACACAATTGCCA
 TTACCAGCATCTGGACGAGCTCCTGCAGTACATCCGCTTTGGCCTAATGGATGTGGATACACTCCACAGC
 GTTGCCCTATCCCACCCCTGGTGCAGGCAAGTGAGACGGCAACTGCCCTTGTAACGAGGCCCTGGAAAT
 ACCACCAAAGCATCTATGCACAGCCTGTGTGGCAGACCCGCCGGACAAAACCGCGATTCCAGTCCGATAC
 TCTCTATATTATTGGTGGGAAGAAGCGTGAGGTCTGCAAAGTCAAGGAACTTCGTTACTTCAATCCTGTG
 GACCAGGAGAATGCCCTCATAGCCGCCATTGCCAACTGGAGTGAGCTGGCTCCCATGCCGGTGGGAAGGA
 GCCATCACTGTGTGGCAGTATGGGGGACTTCTGTTTGTAGCAGGAGGAGAAGTGAACATGCCAGTGG
 CCGGACATGTGCCGTGAGGACAGCCTGTCGCTATGACCCCGCAGTAATCCTGGCAGAGATAGCACCC
 ATGAAAAACTGCCGGAACATTTTGTGCTGGGTGCCATGGATGAATACCTCTATGCAGTAGGGGGCAGAA
 ATGAACCTGTGCCAAGTTCTACCTACAGTTGAACGATACTGCCCAAGAAGAACAATGGACTTTTGTGCA
 GTCCCTTTGACAGATCCCTCTCGTGTACGCTGGATATGTGGCTGATGGTCTTCTTTGGATATCAGGTGGG
 GTGACAAACACCCACAGTATCAGAACAGACTGATGGTATATGAACCTAACCCAGAATAAGTGGATAAGTC
 GCAGCCCCATGCTACAGAGAAGAGTCTACCACTCCATGGCTGCTGTCAAAGGAAGCTTTATGTGCTTGG
 AGGCAATGACCTGGATTACAATAATGACCGGATTCTCGTGCCTCATATAGATTCTTACAACATTGACACT
 GATCAGTGGACGCGTGTAAATTTCAACTTGTGACTGGCCAGAATGAATCTGGAGTCGCTGTCCATAATG
 GGAGAATATATTTAGTTGGTGGATTTCAATTTGGACAAATGAGCCTCTGGCTTGTATCCAGGTATTGGA
 TGTGAGCAGAGAAGGCAAAGAGGAAGTGTCTACGGACCTACACTGCCCTTGTCTCAACGGCATAGCG
 GCGTGCTTCTCCGGCTCCGTATTTACATGCCCAACCTGCAGACTCTGCAAGTGCCTACCACAGGA
 TCGGCACTGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR212364 representing NM_001033531
 Red=Cloning site Green=Tags(s)

MPSEHCLSIQEMLTGQRLLCHSETHNDTVLAALNQQRSDGILCDVTLIAEEQKFHAKHAKVLAACSDYFRAM
 FSLCMVESGADEVNLRGVTSLGLKQALEFAYTGQELNSFNLDLYRLADLFHLLLEKAVIDFLVKHLSE
 LLKSRPEDVLTLPYCLLQEVKSDRLTSLSEEQIWQLAVRWLEHNCHYQHLDELLQYIRFGLMDVDTLHT
 VALSHPLVQASETATALVNEALEYHQSIYAQPVWQTRRTKPRFQSDTLYIIGGKKREVCKVKELRYFNPV
 DQENALIAAIAANWSELAPMPVGRSHHCVAVMGDFLFVAGGEVEHASGRTCAVRTACRYDPRSNSWAEIAP
 MKNCREHFVLAGMDEYLAVGGRNELCQVLPVERYCPKKNKWFVQSFDRSLSCHAGYVADGLLWISGG
 VTNTAQYQNRMLMVEPNQNKWISRPMLQRRVYHSMMAVQRKLYVLGGNDLDYNNDRILVRHIDSYNIDT
 DQWTRCNFNLLTGQNESGVAVHNGRIYLVGGYSIWTNEPLACIQVLDVDSREGKEEVFYGPTLPFASNGIA
 ACFLPAPYFTCPNLQTLQVPHHRIGTV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

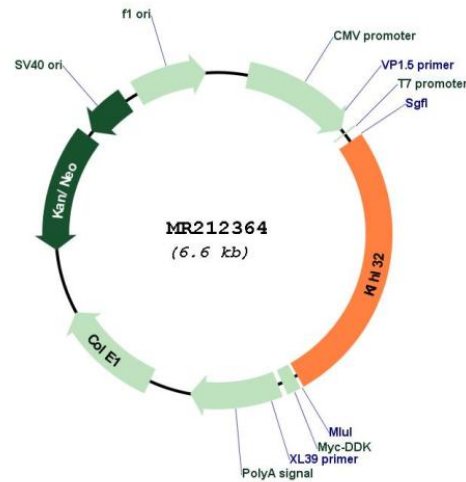
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001033531

ORF Size: 1761 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_001033531.4
RefSeq Size:	2287 bp
RefSeq ORF:	1764 bp
Locus ID:	212390
Cytogenetics:	4 10.42 cM
MW:	67.1 kDa