

Product datasheet for **MR212432**

Kctd14 (NM_001136235) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Kctd14 (NM_001136235) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Kctd14
Synonyms: AI449310; D7Ertd760e
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR212432 representing NM_001136235
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGATGTTGAACTCTGACTATCTTCTTCTCCTGCCTCTACCTCCCAAGTCTGGAATTACAGGATGAGCC
TGCCCGCAAACCAGATCAAGGAGCCCGCAAGCAGTCTCAGCCCGCAAATCGCTCAAGGAACCCAGTCA
GGAGGCTCTGCCTGTAACCTACTCAAGGAGTCCAGCCAGGAGTCCCGGATCCTGTGCCCTGACCCGGCC
ATCGTTGTGGAGCTGAATGTAGGAGGGCAGTTCTACACTACTACCATGGGCACCCTGATGAAGCATCCAG
GCTCAAAGTTTTTCAGAGATACTGTCCAGGTGAGTACACTACAAAGACGCGCAGGGCCGCTTCTTCAT
CGATCGGCCTGGCACCTACTTTGGGCTTCTCTGGACTACCTGCGCACTGGGCAGGTGCCACAGAGTAC
GTTCTGAGGTATACCAAGAAGTAAGTTCTACCAAATCCACCTTTTGGTCAAGATTTTGAAGACATGC
CACAGATCTTCGGTGAGCAAGTGGCTCGAACGCAGTTCCTAATGGGAGTGCCAAACTACAGAGAAAACCT
GGAGGTCTGTTGCACCTGGCTCGGGCAGAGGCTGTGGCGATGCGGTCTCAAAGGTGGTGGTGTGTGTG
GTGCGCACGGAGGAGGAGGATGCGAAGTGTGTGGAGCCGCTGCACATCTGGAGGCCAAAAGACACCGG
TTGTCAAATTCGGGCCCTGGAAGGCAGGCCCTATGACGGAGGACTTTGTATGCTGCCTGGAGAAGGACAT
TAGAGCCAAGGGGTATAAGGTGACCTCTCAGAGGTACCACCTCAGCAGGGATCCCTACACTTGCTTCTGG
ATATTTGTCTTCACTTGGTGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTAA



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Protein Sequence: >MR212432 representing NM_001136235
 Red=Cloning site Green=Tags(s)

MMLNSDYLLFLPLPPKCWNRYRMSLPANQIKEPGKQSQPAKSLKEPSQEALPVNLLKESSQESRILCPDPA
 IVVELNVGGQFYTTTMTGLMKHPGSKFSEILSR SARHYKDAQGRFFIDRPGTYFGLLLDYLRTGQVPTEY
 VPEVYQEAKFYQIHLLVKILEDMPOIFGEQVARTQFLMGVPNYRENLEVLLHLARAEAVAMRSSKVVVVCV
 VRTEEEDAKCVEPLHILEAKKTPVVKFGPWKAGPMTEDFVCCLEKDIRAKGYKVT SQRYHLSRDPYTCFW
 IFVFTWW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001136235

ORF Size: 861 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:

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_001136235.1](#), [NP_001129707.1](#)

RefSeq Size: 2335 bp

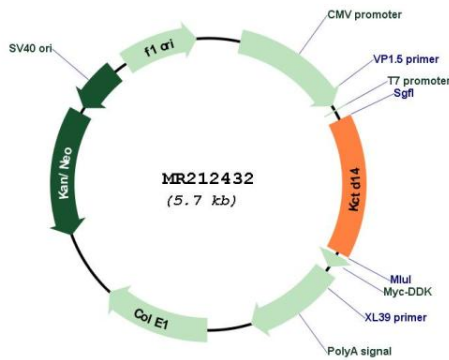
RefSeq ORF: 864 bp

Locus ID: 233529

Cytogenetics: 7 53.51 cM

MW: 33.5 kDa

Product images:



Circular map for MR212432