

Product datasheet for **MR218983**

Kctd9 (NM_001111028) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Kctd9
Synonyms:	AA675328; AI854539
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >MR218983 representing NM_001111028
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCGGCGGGTCACGCTGTTCTTGAACGGCAGCCGAGCAACGGCAAGGTGGTTGCTGTATACGGAACCT
TGTCTGACTTGCTCTCAGTGGCCAGCAGTAACTCGGCATAAAAGCCACCAGTGTATATAATGGGAAAGG
CGGACTGATTGATGATATTGCTTTGATCAGGGATGATGATGTGCTGTTTGTGTGTGAAGGAGAGCCGTTT
ATTGATCCTCAGACAGATGCTAGACCACCTGGAGGATTGCTAGGATCCACACAGACTGGCTCACATTAA
ATGTAGGAGGACGATACTTCACAACAACAAGGAGCACTTTAGTGAATAAAGAGCCTGACAGTATGCTGGC
GCACATGTTCAAGGACAAAGGTGTCTGGGAAATAAGCAAGATCATAGAGGAGCATTCTTAATTGACCGA
AGTCCTGAGTACTTTGAACCTATTTTGAACACTTACGTCATGGACAGCTCATTGTAATGATGGCATT
ACTTATTGGGTGTGCTAGAAGAAGCCAGGTTTTTGGTATTGACTCACTGATTGAACACCTAGAAGTGGC
CATAAAGAATTCCAACCACCAGAGGATCATTACCAATATCCCGAAAGGAATTTGTTTCGATTTCTGCTG
GCCACTCCAACCAAGTCAGAGCTGCGCTGCCAGGGTTAACTTCAGTGGTGTGATCTTTCCCGTTTGG
ACCTTCGATACATTAACCTCAAAATGGCCAATTTAAGCCGCTGCAACCTCGCACATGCAAACTCTGCTG
TGCTAATCTTGAACGAGCTGATCTTTCTGGATCAGTGTGCTGACTGTGCAAACTCCAGGGAGTCAAGATG
CTCTGCTCAAACGCAGAAGGCGCATCCCTGAGGCTCTGTAATTTTGAGGATCCTTCGGGTCTTAAAGCCA
ACTTAGAGGGTGCTAATCTGAAAGGTGTGGACATGGAAGGAAGCCAGATGACAGGGATTAACCTCAGAGT
TGCCACCTTAAAAATGCAAACTGAAGAACTGTAATCTCAGAGGAGCAACTCTGGCAGGAACCGATTTA
GAAAACTGTGATTTGTGGGGTGTGACCTCCAGGAAGCCAACCTGAGAGGCTCCAATGTGAAGGGTGCCA
TATTTGAAGAGATGCTGACACCATTACATATGTCCAGAGTGTGAGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>MR218983 representing NM_001111028

Red=Cloning site Green=Tags(s)

MRRVTLFLNGSPSNGKVAVYGTLSDLLSVASSKLGIKATSVYNGKGLIDDIALLRDDDVLVCEGEFP
IDPQTDARPPGGLLSHTDWTNLNVGGRYFTTTRSTLVNKEPDSMLAHMFKDKGVWGNKQDHRGAFLIDR
SPEYFEPILNYLRHGQILVNDGINLLGVLEEAFFGIDSLIEHLEVAIKNSQPPEDHSPISRKEFVRFL
ATPTKSELRCQGLNFGADLSRLDLRYINFKMANLSRCNLAHANLCCANLERADLSGSVLDGANLQGVKM
LCSNAEGASRLCNFEDPSGLKANLEGANLKGVDMEGSQMTGINLRVATLKNKLNKCNLRGATLAGTDL
ENCDSLGCGLQEANLRGSNVKGAIFFEMLTPLHMSQSVR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

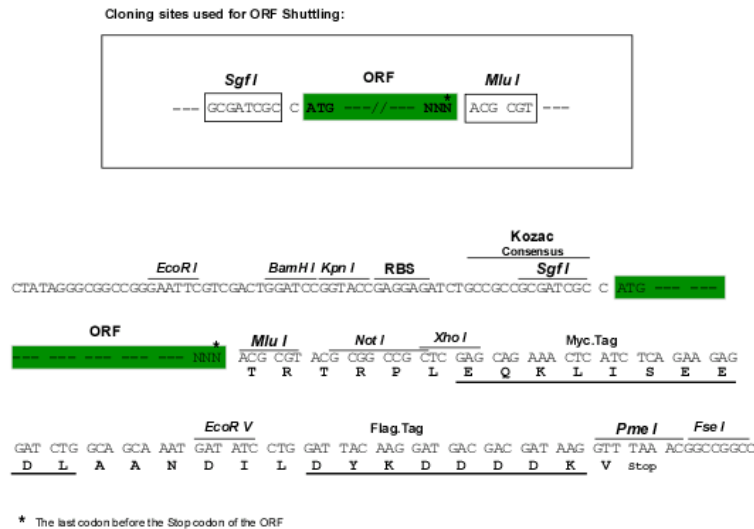
Chromatograms:

https://cdn.origene.com/chromatograms/mm9080_d06.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001111028

ORF Size:

1167 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_00111028.1](#), [NP_001104498.1](#)

RefSeq Size: 3324 bp

RefSeq ORF: 1170 bp

Locus ID: 105440

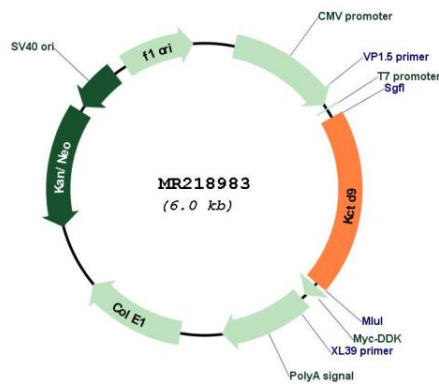
UniProt ID: [Q80UN1](#)

Cytogenetics: 14 D1

MW: 42.4 kDa

Gene Summary: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin-protein ligase complex, which mediates the ubiquitination of target proteins, leading to their degradation by the proteasome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR218983