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Product datasheet for MR211212

Kctd19 (BC092530) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Kctd19 (BC092530) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Kctd19
Synonyms:	4922504H04Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR211212 representing BC092530
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGAGCCTGGCGGGCTCCATGAGTCAGCAGAGGATTTGTTTCACTTCAATGTCGGGGGCTGGCATT
TCTCAGTTCCCAGGAGCAAACTTGCTCAGTTCCCAGACTCGCTGTTGTGGAAAGAGGCTTCAGCCCTGAC
CTCTTCAGAGAACCAGCGGCTCTTCATTGACAGAGACGGCTCCACGTTTAGGCATGTGCACTATTACCTC
TACACGTCCAAGCTCTCCTTCTCCAGTTGTGCAGAACTGAACTTGCTCTATGAGCAAGCCCTGGGTTTGC
AGCTGATGCCCTTGCTTCAGACCCTAGATAACCTGAAGGAAGGGAGACACCACCTCCGTGTGCGGCCTGC
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CCTAGTGACCGAAGACAATCTGCTGTGGCTGGCTGAAACGGTGGCCCTGATCGAGTGCGAATGCAGCGAG
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AGCCACTGCCAGCCTCCAGGAGCAGCTCTGTGGAGGAGGCTAGCCTGCATGTCCCCTCGGGAAGTGAGGC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

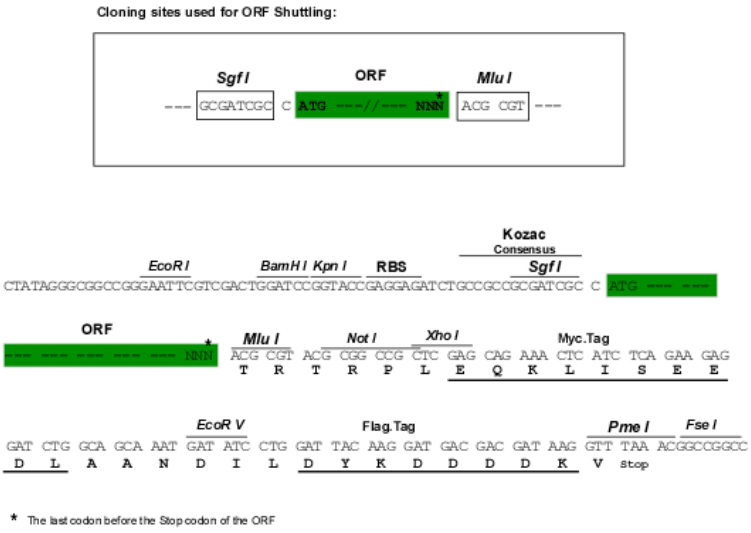
>MR211212 representing BC092530
Red=Cloning site Green=Tags(s)

MEEPGGLHESAEDLFHFNVGGWHFSVPRSKLAQFPDSLLWKEASALTSSENQRLFIDRDGSTFRHVHYYL
YTSKLSFSSCAELNLLYEQALGLQLMPLLQTLDNLKEGRHHLRVRPADIPVAERASLNYWRTWKCISKPS
DFPIKSPAFTGLHDKAPLGLMDTPLLDTEEEVHYCFLPLDLVAKYPSLVTEDNLLWLAETVALIECECSE
FRFIVNFLRSHKILLPDNFSNIDVLEAEVEILEIPELTEAVRLYRMNMGGCSRTSCPPLSPGKGGRTASV
ESVKPLYLMALGLLVKYPDSALGQLRIESTLDGSRLYITGNGALFQHVRNWLGTCRLPLTETISEVYELC
AFLDKRDITYEPMKVALKTHLEPRTLLPVDVLSEEWTAEVTIYSPQQIIKLYVGSHWYATTLQTLMKYPE
LLSNTQRVYWIAYGQTLLIHGDGQMFRHILNFLRLGKLFLPSEFKEWPLFCQEVEEYHIPALSEALAQCE
AYKSWTQEKESENEEAFPIRKLHVVTEGTGPMAEFSRDAKETTACMPVDFQECSDRTPWNKAKGNLTRSS
QMEEAEQYTRTIQVSLCRNAKRGGNPSTYSHCSGLCANPRHWGGHSESPPKKKCTTINLTQKPDAKDPPV
TPMQKLISLVREWDMVNCKQWEFQPLPASRSSSVEEASLHVPSGSEAAPQPGTSAAWKAHSITSEKDAGP
QTGPGAGVKDKGPEPTFKPYFPTKRAITLKDWGKQRPKDRESPAPEQPLPNANGTDNPGAILKVAHPPVV
GNDGSCMFFEDSIIYTTQMDNIKHTSLTASPQLREVTFLSFSLSWEEMFYAQKCHRFLTDIILDSIRQKD
PKAITAKVVSLAYRLWTLNISPKQFVVDLLAIAGFKDDRHTQERLYSWVELTLPFARKYGRCVDLVIQRG
LSRSVSYSVLGKYLHEG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: BC092530

ORF Size: 2781 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: BC092530.1

RefSeq Size: 3007 bp

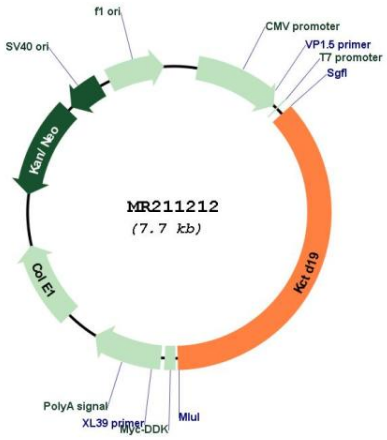
RefSeq ORF: 2783 bp

Locus ID: 279499

Cytogenetics: 8 D3

MW: 110.2 kDa

Product images:



Circular map for MR211212