

Product datasheet for MR231529

4932416K20Rik (NM_001002775) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: 4932416K20Rik (NM_001002775) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: 4932416K20Rik
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR231529 representing NM_001002775
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGTCGCGCAGCAACTGCCCTAAAGGAGAAAGTTTTCTTGCAGCTTAAGTAGCTGCCAACCTACATCC
 AGCTGGATCGGGATTACTACTACACATCCAGTGGCCCTGGAGAAGCTGCCCTGCCTGGCCAGCATCA
 TCCGGTTGCTACAGCCAAGGTGAATCTGCCTGTGCAGCGAATCCACCTTCAGTGTTCCTGCCCTGCCCACT
 GGTCTCTACGCCATCCCCAACAGGCAGAACCACTTCAAGATGTTCTGTCCCTCCCGAACCTGAAATCC
 CTCTCTAGGACAAATCCTTCTTTCCCACTTCTGTCCAGCCTGGGTGGTTTCAGGCTGAAGATTCT
 GACATTGGACCACCGGTCTTCTCTTTCTCAAAGGAAACTGAGGCAAAAGTCAAAGAACTTAAAAACAGG
 AGGAGTGAAGAGAAGGGGAAGGGGAAAAAGAGGAGGGAGAGGAAGAGGAGGAAGAGAAGGAAGTAAAAAC
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 TGTGGAGATGACTGCCCTTTTATCTTCCAGGGAGTTCAGTCCAGCTCTGTAGACCTGTGGAGTGGTC
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 GGCTAGTGCATCAGGGAGCCCTGTTACTCTGTGTCAGCATTAAAGAGACCTGCAAGAGAAAGGCGCC
 ACACCAGAGTTGCTGGTGCCACCCTCAGAGGTTCTACAACACTGAGGATGAAGGTGACTGGCCCTC
 CTCCAAGATTCCACACCTTGGAGAAAAGAAAGATCAGACACCATAAAGAACAAGAAGGTTCAGGCCAT



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CCAGATCTCAGATGATAAAGTGAATGTCTTAGAACCTAAAAGCCAGGAGGTGTCAGTCCGCACTGTCCCT
 CAGCCTGATCTGCCAAGGTCCCCACCTTCTCAGGACCTGGAGTCGCTCTGTCTTACCCACTGATGGGG
 TTTCCAGCCTTGGTGGTCTGCCTCCACTCCCTTGTATGCCAGGCTGTTTCGATCTCCAATCCCCTGT
 CCCTTACCTTCCCCACACCAAGTATACCCACAATCCCTATTTCTCCTTGGTTCTCCCTTCTGACTCT
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 CCCACGTGCTTCGTCCATCGCCACATCGACCTCAGGGTGTACTCTCAAGGCAAGAATGGGTTTCAGGGAAC
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 GAAGGGGAAGGACAATGGAGTACTGTGCCCCCATTGTCTCAAACCTTGCAGCTCATCTGCACACACT
 GGTTCATGCTGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231529 representing NM_001002775
 Red=Cloning site Green=Tags(s)

MSRNCNPKGESFPCSLTSCQPYIQLDRDYHSTHPVALEKLPLPGQHHPVATAKVNLPVQRIHLQCFPCPT
 GLYAIPNRQNNFKMFCPSRTMKIPPLGNTNPSFPTSCPAWVVAEEVLTLDRSLPFSKETEAKVKELKNR
 RSEEEKGKKEEGEEEEKEVKQQQEEQVEDEKLEEEEEDEEEEEEEEEEEEEKEGEDEEEEEEEEEGE
 DEEEEEEEEEEEEEEEEEEEEEEEEEEEEEEGEDEEEEEEEEEEEEEEEEEEEEEKEGEDEEEEEEEEEVE
 DEEEVGEEEEEEEEEEEEEEEEEEGEDEEVEGEEEEEKEEEEEEEEEEEEEDNSWLLLEETIQ
 DVKERCSTSLMQAATCVSLAAKSTIISENLPQEGYQHPHDVKTVENTALLSSREFTASSCRPAGVV
 LTHVWVGEDVSGCLTPASASCSSHRETFPKKEQRTKGLPGPAHSQPQASASGSPVTPVSALKRPCRKAA
 TPELLVPPSEVLQLLQDEGDWPPPKIPHLEEKESDTIKNKKGQAIQISDDKVNVLPEKSQEVSVRTVP
 QPDLPRSPSSGPGVALSLPTDGVSSLGGPASTPLLCQAVRSPIPSVPSPTPSIPTIPI SPLVLPSSDS
 FPQCQARPCVETPPDFKDKDPTNVATTPAISDLPRPGAELSFNPSSCRRDSTVSVCTASHPPLPFAAP
 LSLFPRNPPTVFPTSASQDCEDMYWEPSPWPAEVDMDTTPSEAAILSSPTVSSGSSLPFAPSHGCIQQR
 MVANATVSI SLPSCKVPCYTSFGNNLFTPRPTIGQMHGVS PANGPVGWIQPLVAALPPMAAVTPSPA
 DFEFMDTTPPSKAFIFHSPPATDNVNSVPPQSVWGHTPACKPAGATPRTPALLSGPPADGCVFMRNPP
 TLRAAPGLTSRAGPPAGGSSTHLGFVGPASPAHHGRPDGTELAYRKS PRASSIATSTSGLTLKARMGSGN
 CSSSTNFTPSTPLVKPVVPEGENCGRGTHLQAHLPTARYYIARRKGDNGVTVAPIVLKLCSSSAHT
 GHAV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_001002775

ORF Size: 3162 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_001002775.2](#), [NP_001002775.2](#)

RefSeq Size: 3556 bp

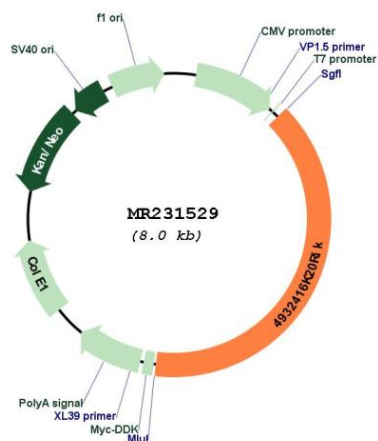
RefSeq ORF: 3165 bp

Locus ID: 442809

Cytogenetics: 8 D3

MW: 114.7 kDa

Product images:



Circular map for MR231529