

Product datasheet for MR211561

4931406P16Rik (NM_172741) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4931406P16Rik (NM_172741) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4931406P16Rik
Synonyms:	AA553327; mKIAA0355
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211561 representing NM_172741 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATTGCTGCAGTGCCCAGGACAATAAGATGGACTACAAGCGGCGCTTCCTGCTTGGCGGGTCCAAGC
AGAAGGTGCAGCAGCACCAGCAGTACCCGATGCCTGAGCTGGGCCGAGCACTGAGCGCTCCCCTGGCATC
CACCGCCCCCTGCCCCGCTGGCAGTCTGACCCTGCAGGCAGCTGCCACCATGCCATGCCCCACTCT
ACTCCCATTGCTGACATCCAGCAGGGCATCTCTAAGTACCTGGATGCCCTCAATGTCTTTTGCCGTGCTA
GTACGTTCTCACAGATCTTTCAGCACCGTGTTCAGGAACCTCACACTACTCAAAGGCCCCATGCAGCT
CAAAGATGTGCAGGAACATGTAATGGAAGCAGCCAGCAGATTGACCTCAGCCATAAAGCCCCGAGATTGCC
AAGATGCTCATGGAACCTCAGTGCTGGGGCTGCAAACCTTCACAGATCAGAAGGAATTCAGTCTCCAGGACA
TTGAGGTGTTGGGGCGATGTTTCTTGACAGTGGTCAAGTCCATTTCCAGTTTTTGACCCACGCCTTGCA
GAAAGTCCAGCCGGTGGCTCACTCTTGCTTTGCTGAGGTAGTTGTGCCAGAAAAAAGAACAGCAGTCTG
TCTGGCATGGGCCACACCTGAACTGGAGGAAGCTGTGCGATCCTGGCAGGGGCGAGCTGAGGCGACAT
CTAGATTGAGAGAGAGAGGCTGTGATGGATGCCTGGCAGGAATCGAAGTCCAACAACCTTTTTGTTCTCA
AAGTGCAGCAATTCCTGAGCACCAGCTAAAAGAGCTAAACATAAAAAATCGACAGTGCTTTGCAAGGCTTAT
AAAATGACTTTGGAAAGCTTAGGCCACTGTGAATATGCAATGAAAGCTGGCTTCCATCTAAACCCAAAGG
CCATTGAAGCAAGTTTGCAGGGCTGCTGCAGTGAGGCGGAAGCTCAGCAGACAGGGCGAAGGCAGACACC
CCCACAGCCCATGCAGTGTGAGCTCCCCACGGTTCCTGTGCAGATAGGATCGCACTTCTGAAGGGGTC
TCCTTTAATGAGTCGGCTGCCACAATCTGAAGCTTAAGACGCATACCATGTTACAGCTCATCAAGGAAG
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TTCAAGTCCCATCCACATGGTGTAAAGGAAGATCCTGTACCATGTCCCTGCTGCAGAGGAGCCTGGA
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GGGAGGGAACAAGCTTTACCTGTATACAGATCCAGCTGCAAAGGGATATCTGCGATTTTGGGAATCAGG
 CTGACCTGCCTTCTGAAATGGAAGCAAATCCTCGGGACTGCAGAAGACTTTCTCCAAACTGACATCCC
 GTTCACAAAGAAAGTGTGCATGCACCACTCTGGCAGCACACACTATTCCAAAAACATCTTACAGCTGGG
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 GCAGTGGAGAGCAGGAGACCAGCACACTGCCCTCACCCTCTCCTGACCACAGTGGAGGACGTGAACCA
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 TGCAGTCCCCTGTGTGGCTGCAGCCAATGACTGCAATACCACCTCCTTACCTATGTTTCAGACACCACC
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 CGTAGGCCAGCCTATTTGCCCCAGTAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211561 representing NM_172741

Red=Cloning site Green=Tags(s)

MYCCSAQDNKMDYKRRFLLGGSKQKVVQHQYQYMPPELGRALSAPLASTAPSAPLGSLLTAAGSCHHAMPHS
 TPIADIQQGISKYLDALNVFCRASTFLTDLFSTVFRNSHYSKAAMQLKDVQEHVMEASRLTSAIKPEIA
 KMLMELSAGANFTDQKEFSLQDIEVLGRCFLTVVQVHFQFLTHALQKVQVVAHSCFAEVVVPEKKNSSL
 SGMGHTPELEEA VRSWRGAEEAT SRLRERGC DGLAGIEVQQLFCSQSAIPEHQLKELNIKIDSALQAY
 KIALESLGHCEYAMKAGFHLNPKAIEASLQGCCSEAEAQQTGRRQTPPQPMQCELPVVPVQIGSHFLKGV
 SFNESAADNLKLTHTMLQLIKEAGCYNGITPRDDL PVTEVLNQCPSMWRGACKTAVQLLFGQAGLVVV
 DTAQIENKEAYAPQISLEGSRIVVQVPSTWCLKEDPATMSLLQRS LDPEKTLGLVDVLYTAVLDLNRWRT
 GREQALPCIQIQLDICDFGNQADLP SGN GSKSSGLQKTF SKLTSRFTKKV SCTNSGSTHYSKNIFTAG
 CSEERAKMMGNIDTRLQSILNIGNFPRTTDPSQSSQNSSNPMVNGFL LERRENFLHGDDGKDEKGMNLP
 TDQEMQEVIDFLSGFNMGQSHQGSPLVTRRNSTATAMVTEQKTGTMQPQPPLAPPLRPPQAGAHTPL
 AAQQGLAPQQSPKQQQPQVQYYQHLLQPIGSQTPPQPRAPAKWVHGSSQHPSQPMAGLSPLGQWPGI
 SDLSSDLYSLGLVSSYMDNMSEVLGQKPQGPRNNTWPNRDQSDGVFGMLGEILPFDPAVGSDPEFARYV
 AGVSQAMQKQKQAHGRRPGNPRGNWPPMEDAHRWPLPEFFTEGDSLHSGWGAQGDSSASSETSSAN
 GDSLFSMFSGPDLVA AVKQRRKHSSGEQETSTLPSPLLTTVEDVNQDNKTKTWPPKAPWQHPSPMPSTL
 PSPAAPLYAVASPGSQWNTVQMLQSPVWAAANDCNTTSFTYVQTPPQPPPPPAHKAAPKGFKA FPGKAE
 RRPAYLPQY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9098_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_172741

ORF Size: 3177 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_172741.3](#)

RefSeq Size: 5808 bp

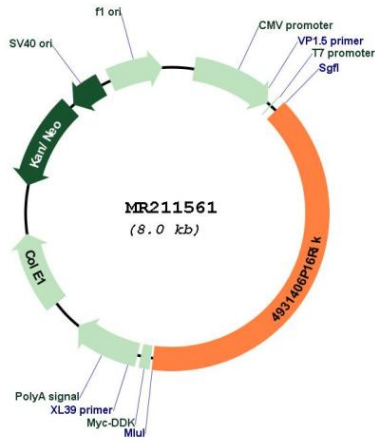
RefSeq ORF: 3180 bp

Locus ID: 233103

Cytogenetics: 7 B1

MW: 115.6 kDa

Product images:



Circular map for MR211561