

Product datasheet for **MR214565**

4932429P05Rik (NM_001085511) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4932429P05Rik (NM_001085511) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4932429P05Rik
Synonyms:	RP23-256C8.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR214565 representing NM_001085511
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGATGACAACTTCATAGCGTAAAAATCTATGTTATGGTGAAGATGAGCAATGGAAAGGCATAGGTG
CAGGTCAAATTTTCATCCAATACATTGAGCGGCTCCAGGGTGTGTGCCTGATTGTTTCAGTCAGAATCAGA
TGGCTCACTGATTATGGAGTGCAAGATACATCCTAATGTGCCCTATCACAAACAACGAGGGGAGATAATC
ATTTGGTCTGAAACTAAGAACCATGGTATGGCAATACATTTCCAGGAGCCAAACGGTTGTCAAGAGATTT
GGGAAGATATCTGCCAAGTTCAAGGTAAGATCCAATGTAGAAATCACAGAAGAAGCTTACTGATAATCT
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GAAATATTGCAGATTTATTTACTTTTGTCCATGAAACACCAAGCCACAAGGAAAGGCTGGTGTGGTCT
TGGAAAAAGGAGTTTATATTAATAAACTGCTACAGCATTTCAACACCTGTGAAAAGCTGAAGAACATGGA
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TAGGCAACAATACAACAGACCTACAGAATGCAATATGTTTCATGATATTGATTGCCATACCATCCATA
TGTGAATCAAATCTTCTTTATGGTCTTAACACTATGATTATTTACAACAAAATTGAAATAATTACCATGC
TGCAGGATGATGAAAATTTTGGCTTGAAGTCTTGTCTCGGTTAAAAGATAAATACTGTAGGTAATGATAG
ACGGCATGAATGTTACTATTCTCAAGGAATCTGTACATTTGCTAAAACATTGGAGAATCTAGAGAAA
CATGAATTAATAAGACATTAATAAATCTAGGAGTCATGAGTCTGCTGAAAGCTGTAGTGCATGCATG
ACTATCAAATACAAATAGCTGCTTTAGATATATTTCTTATCTAGTAGAATAACAATCCTTGTCTTAGTCCG
AGAGTATCTACTGGATGAAGCTCATGACTGACGATGATGATCTTTTCTTAATAATAATGATCAAACAA
ATGATCTGTAATCTGATCCTAGATTTTCAAGGCATCATTGTCAGCAATCTTTGTCTCTTCTTG
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TTGCATAAATAACCTCATAGCACAATTTTGTCTGCCACAGTGGAGAAAAGAAAATGCAAATAATAGAGCT
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TACAATACCCTCAACATATATAAAAAGTTATATTTGGATAACAACCTTGCTCAGCAGAATCTTGGTGT
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TTTAAAGGGTTAAAAATAAATATGAAGAGGAGAAGAATGAATGTCAAGTTAGAAGAAAATTTACTTAATG
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TAGAAGAATCACAGAAAACAAAAGAGGCTATTTTACCAAATAGAAGAGACTTTCCAAGTCATTATGGCATA
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GGTTCCTTAGTGAATTACCCATATGATACTGATGATGAGAATGGTATGATGATCCTTATGGTAATGATAAT
GATGAAGATGAAGAACCCCCCAAAAAGACCTAATCTTAGTTCA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214565 representing NM_001085511
Red=Cloning site Green=Tags(s)

MDDKLHsvkiYVMVEDEQWKGIGAGQISSKYIERLQGVCLIVQSESDGSLIMECKIHPNVPYHKQRGEII
IWSETKNHGMAIHFQEPNGCQEIWEDICVQVGKDPNVEITEELTDNLKTFEELLPIWNLVEMQNCCELHTL
ENIADLFTFVHETPSHKERLVLVEKGVYIKLLQHFNTCEKLNMESLYLNNIIKGIPLDNTHLFNI
MFSDEFFMDMVGCLEYDPALDHPKQYREFLTQNAKFKEILPITHFQLRQTIQQTYRMQYVHDIPLPSI
CESNLLYGLNTMIIYNKIEIITMLQDDENFLLEVLARLKDNTVGNDRRHELLLFFKEFCTFAKTLENLEK
HELLKTLINLGVMSALKAVVHMHDYQIQIAALDIFPYLVEYNPCLVREYLLDEAHDVDDDDLFLNIMIKQ
MICNSDPRFSQGIILPAILCALLDPENMHVTANGCEEKEFLNFFYTRCINNLIAPILSATVEKENANNRA
NICPDNYQAQLLGVVIEILTFCVQYHSTYIKSYILDNNLLSRILVMTSKHTFLILCAVRFMRKLIGLK
DEIYNLYIIKENLFEPVVNAFMHNGHRYNMLNSAIIELFEFIRQENIKSLIANIVENFFISFESIEYVQT
FKGLKIKYEEKNECQVRRNLLNVVCQKIYCICTNDMGLKVKSDICHRRITETKEAILPNRRDFPSHYGI
IMKIEETNESESAIEGQKIKSSEAFERCPSHGDASTRMSRSHCSSLVPLVNYPYDDEGDDPYGNDN
DEDEEPPQKRPNLSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9099_e02.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001085511

ORF Size: 2355 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_001085511.1, NP_001078980.1

RefSeq Size: 3093 bp

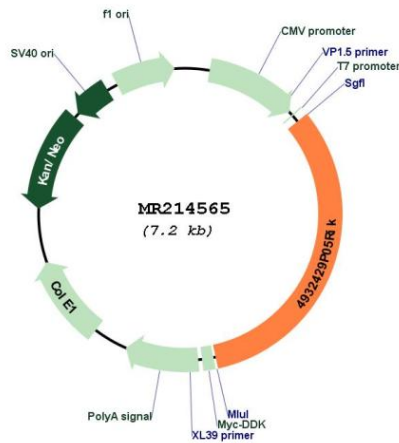
RefSeq ORF: 2358 bp

Locus ID: 245509

Cytogenetics: X C1

MW: 91.3 kDa

Product images:



Circular map for MR214565