

Product datasheet for **MR229866**

4933402E13Rik (NM_001199997) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4933402E13Rik (NM_001199997) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4933402E13Rik
Synonyms:	RP23-146M22.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR229866 representing NM_001199997
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTCGCTACGGAAAGCACCCACGCCTCAGTCTGGAAGAAGGTGTCAACTTCCAGAATCCAACGGAAA
 CTGATGACGATGATGTGGTGTCCAGTACTTCCACAGCCGAGAAAGATGAGAGAGAGGGAGAGGAGGA
 GGTCTAAAGGAAGATGAAGATGGCAATAAGCAGGAGACAGAGGAAGATAACGTCGAGAAGGAAGACGAA
 GACGAAGAAAAGGAGAAAGAAGAGGAAAAGGAAGAGTCTGGTGTGAAGTGAATGAAGAAGAAGATGAGA
 CCAGAGAGGAAGAAGACATATCTTCCATGATTTTGTCTCTTCTAATGTCTCTTTAGCTGCTTTCTCCCC
 TCCTTCTCTTCTTCTTCTCTCTCTCCATCTTCTTCTTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCTCT
 CTGTTTCAGAGCAACCTGGTGGAGAATGAGGGCTTTGCTATTGGGATGCTGGGCCTTTTTCAGAATGCTC
 AGAGCTTCTTCCCCTTACCTACTTTGGGGGAAATTTAGATGAAGCAGCTGGTTACCAGGAAGAGAGTTC
 AGGTGTACATAGCATCTCCAGAAGACCCTGACTCCTTGCTAGATACTGTAATACAAGAAAAGGCTACTGAT
 TTGGTGTCTCTTTTCATTTACAAGTATAGAGTGAAGGAACCTATCACATTAAGTGAATGATGAGGTTG
 TCACTAAGGAATATGAGAACCACCTTCTCTGTCATTTTCATCGAAGCTTCTAAATGCTTGGAGATGACCTT
 TGGGATTGATATAAGGAAAGTATCTGGTAAGCAGTGTATGTCTTGGTCAACTCACTGAACCTTACC
 TATGAGGATACGCTGAGTGACAGCGATAGGCTGCCTAGAAATGCTTTTCTGATAGTTATTCTGGGTGTA
 TATTCATAGAAGGAACTGTGCTTCTGAAGATAGAATCTGGGAGTTCTTGAAACTGGTGGGAGTGTATGA
 TGGGGAAGAGCACTTCATTTGTGGGGATCCCAGGGAGTTCCTCACCATACATCTAGTGCAGCAAAATAC
 CTGGAGTATCGGGAGTGCCTAACAGCCAGCCTCATGCTTTGAGTTCCTGTGGGTCCAAGAGCCTATG
 CTGAAACTACCAAGATGAAAGTTTGGAAATCTTGGCAAAGATGAATGGGTGTGACCCATCTGATTTCTC
 AATCTGGTATGAAGAGGCTTTAAGAGATGAGGAAGAGAGGGCCTGGGCCTAAATGATTCTGCAAATACA
 AGCCCAAATGCGTGGTTTGTGAGCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR229866 representing NM_001199997
 Red=Cloning site Green=Tags(s)

MSRYGKHPRLSLEEGVNFQNPTEIDDDVVFPVLPVLAEKDEREGEEVLEKEDEDGNKQETEEEDNVEKEDE
 DEEKEKEEKEESGDEVNEEEDETREEEDISSMILSSSNVSLAAFSPSPSSSSSSSIFSSSSSSSLFS
 LFQSNLVENEGFAIGMLGLFQNAQSFFPLPTLGGNLDEAAGYQEESGVIASPEDPDSLLDVIQEKATD
 LVFLFIYKRVKEPITLTEMHEVVTKEYENHFPVIFIEASKCLEMTFGIDIKESDLVSSAYVLVNSLNL
 YEDTLSDSRLPRNAFLIVILGVIFIEGNCASEDRIFEFLKLVGVYDGEHFICGDPREFLTIHLVQQNY
 LEYREVPNSQPPCFEFLWGPWAYAETTKMKVLEFLAKMNGCDPSDFSIWYEEALRDEERAWALNDSANT
 SPNAWFVER

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001199997

ORF Size: 1287 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_001199997.1](#), [NP_001186926.1](#)
RefSeq Size: 1931 bp

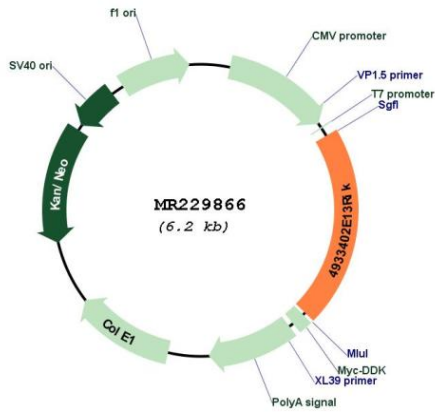
RefSeq ORF: 1290 bp

Locus ID: 74437

Cytogenetics: X A6

MW: 49 kDa

Product images:



Circular map for MR229866