

Product datasheet for **MR229193**

4931406C07Rik (NM_001199484) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4931406C07Rik (NM_001199484) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4931406C07Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229193 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTGCACTGAGTTTTCTTTACATGCCAAGTCTGGAGGAGCTTGCTGAAGTTTTGCAGAAGGGGC
TAACTGACAACTTTGCTGATGTCCAGGTCTCAGTGGTTGACTGCCAGATTTAACAAGGAGCCATTTAC
CTTTCTGTAAGAGGCATCTGTGGGCAAACTAGAATTGCAGAAGTAGGAGGTGTGCCTTACTTATTGCCT
CTTGTAACAAAAAAGTTTATGACCTAAATGAAATTGCAAAAGTAATAAAGCTGCCCGAGCTTTTA
TCCTGGAGCAGGGCAGGTCCATTTAGACGCTTGGTTCAATTCTGAGTTCATGCCAATTGTTCAAAC
AGCAAGTGAACACAACCAACCTGTGAATGGAAGTTACTTTGCCATAAAAACCCTGCAGATGGAGCGTGC
CTGCTGGAGAAATACAGCCAAAAATATCATGATTTGGATGTGCACTACTGGCTAATCTTTTTGCCAGTG
AGGGCCAACCTGGCAAGGTCAATTGAAGTGAAGCAAGAGAAGAAGAGGAGAACTTAACTTTGTGAGCTG
CATGAGACAGACTGGAGGAGCACTATGGTGACAAGCCTGTGGGGATGGGAGGCACCTTCATTGTGCAG
AAGGGAAAGTAAAAGCCACATCATGCCTGCAGATTTTCTTCTGCCACTGAACTCGGACGAAGCTG
TCAATAAATGGCTACACTTCTATGAGATGAAGGCTCCCTTGGTTGTCTACCAGTTTTGTTCAAAGA
CCCTGGACTTGATTTGCGACTGGAGCACACATTTCTCAGTCATCATGGAGAAGGTGGACTACCAC
TACGATACGCCAGACACAGTGGAGTACCTTGATACTTCTCACCTGCACAGTTCCTCTATCGCATTG
ATCAGCCCAAAGAGACCCATGCCTTTGGGAGAGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229193 protein sequence
 Red=Cloning site Green=Tags(s)

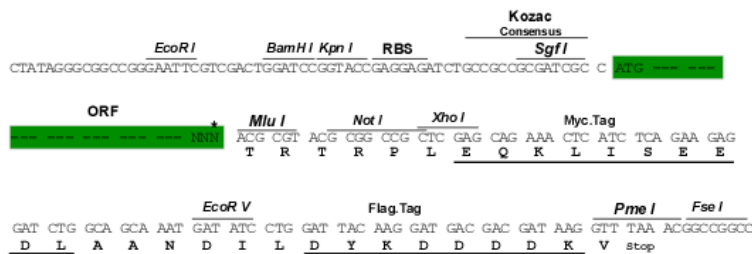
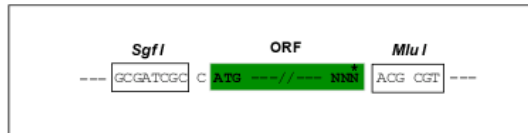
MACSEFSFHMPSSLEELAEVLQKGLTDNFADVQSVVDCPDLTKEPFTFPVRGICGQTRIAEVGGVPYLLP
 LVNKKKVYDLNEIAKVIKLPGAFILGAGAGPFQTLGFNSEFMPIVQTASEHNQPVNGSYFAHKNPADGAC
 LLEKYSQKYHDFGCALLANLFASEGQPGKVIIEVQAKRRRTGELNFVSCMRQTL EEHYGDKPVMGGTFIVQ
 KGKVKAHIMPAEFSSCPLNSDEAVNKWLHFYEMKAPLVCLPVFVSKDPGLDLRLEHTHFFSHHGEGGHYH
 YDTPDTEYLYGYFSPAQFLYRIDQPKETHAFGRD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001199484

ORF Size: 948 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_001199484.1](#), [NP_001186413.1](#)

RefSeq Size: 2757 bp

RefSeq ORF: 948 bp

Locus ID: 70984

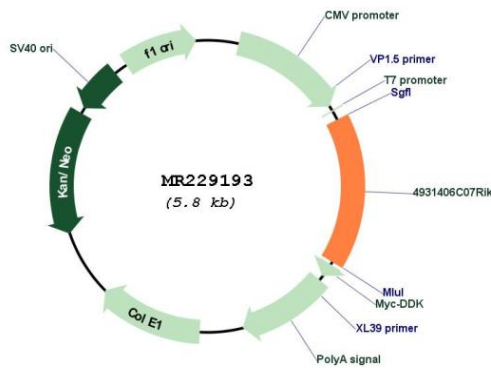
UniProt ID: [Q91V76](#)

Cytogenetics: 9 A2

MW: 35 kDa

Gene Summary: Exhibits ester hydrolase activity on the substrate p-nitrophenyl acetate.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR229193