

Product datasheet for **MR221893**

5031439G07Rik (NM_001033273) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	5031439G07Rik (NM_001033273) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	5031439G07Rik
Synonyms:	AW554572; mKIAA0930
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR221893 representing NM_001033273
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCTCGCGCGGCCCGCGGAGGGCCTGTGCCTCGCGCTCCGCGCCCGGGGCTCCGGGCTGGGC
 CGGCCGCTCCCGGAGTCCGTGGACAGCAGCAAGCGGAGGAGCGCTCGTTGCAGCACATGCTGCGCGC
 CATAGCCGAGGAGCGCGGACGCCTTAGCCTGCGCCGTGAGGTCTGCGGCCTGGGTTGCTTCAAGGATGAC
 CGCATCGTCTTCTGGACGTGGATGTTCTCTACTACTTTCATGGAGAACTGGCTCCCGACAGGATGACA
 TGCTCTTCTACGTGCGCAGGAAGCGAGCCTACCCAGGCAACGAGGGCACCATCGATGGGAGGAAGGCTGA
 GGCTGAGCCTGAGGTGGAGGTAGAAGTGTACCGGAGAGACTCTAAGAAGCTTCCGGGCTGGGAGATCCT
 GACATCGACTGGGAGGAGAGTGTCTGCCTGAACCTCATCTGCAGAAGCTGGACTACATGGTGACCTGTG
 CTGTGTGCACGCGTGCCGATGGGGTGACATCCACATCCACAGGAAGAAGTCCAGCAAGTGTTCGCTC
 CCCCAGCAAACACCCCATGGACAGCAAAGGAGAAGAGTCCAAGATGAGCTACCCCAACATCTTCTCATG
 ATTGACAGCTTTGAGGAGGTGTTTAGTGACATGACCGTGGGGGAAGGAGAGATGGTCTGCGTTGAGCTGG
 TCGCCAGCGACAAAACACACGTTCCAGGGTGTATCTTTACAGGGCTCCATCCGATACGAGGCACTCAA
 GAAGGTGTACGACAACCGCGTGAGCGTGCTCGCATGGCCAGAAAGATGTCATTTGGCTTCTACAAG
 TACAACAACATGGAGTTTGTGCGCATGAAGGGCCTCAGGGCAAGGGCCATGCAGAGATGGCAGTGAGCC
 GAGTGTCCACCGGTGACACATCCCCCTGTGGGACCGAAGATTCAAGCCCAGCTTCGCCCATGCATGAGCG
 GGTGACCTCCTTAGCACCCCGCCACCCAGAGCGAAACAACCGGCCTGCCTTCTTCCCCGTCCTT
 AAGAGGAAGGTGCCACGGAACCGCATCGCCGAGATGAAGAAATCACACTCAGCCAACGACAGCGAGGAGT
 TCTTCCGAGAGGACGACAGTGGAGCCGACCTGCACAATGCCACCAACCTGCGATCTCGGTCCCTGTCTGG
 CACAGGACGGTCCCTGGTCGGTCTGGCTGAAGCTAAACCGAGCTGATGGGAACCTCCTTCTCTATGCA
 CACCTGACCTATGCTACTTTGCCCTGCATCGGATCTTAACAGACATCCTGGAAGTACGGCAGAAACCCA
 TCTTGATGACC

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTAA

Protein Sequence:

>MR221893 representing NM_001033273
 Red=Cloning site Green=Tags(s)

MASARPPGRACASASAPAGLRAGPAASRESVDSSEAEERSLQHMLRAIAEERGRSLRREVCGLGCFKDD
 RIVFWTWMFSTYFMEKLAAPRQDDMLFYVRRKRAYPGNEGTIDGRKAEAEPEVEVEVYRRDSKLLPGLGDP
 DIDWEESVCLNLIQLKLDYMTCAVCTRADGGDIHHRKKSQQVFASPSKHPMDSKGEESKMSYPNIFFM
 IDSFEVFSMDTVGEGEMVCVELVASDKTNTFQGVIFQGSIRYEALKKVYDNRVSAARMAQKMSFGFYK
 YNNMEFVRMKGPGKGAEMAVSRVSTGDTSPCGTEDSSPASPHERVTSFSTPPTPERNNRPAFFSPSL
 KRKVPRNRIAEMKKSANDSEEFFREDDSGADLHNATNLRSLSGTGRSLVGSWLKLNLRADGNFLLYA
 HLTYYVTLPLHRILTDILEVRQKILMT

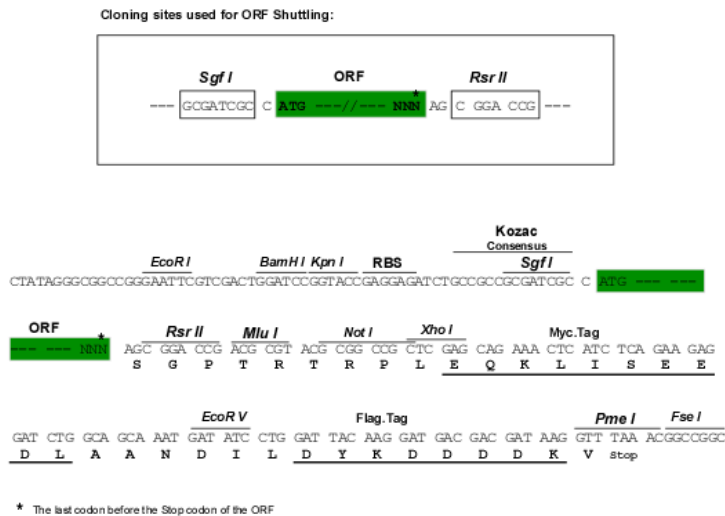
SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9092_a11.zip

Restriction Sites:

Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001033273

ORF Size: 1341 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_001033273.2](#), [NP_001028445.1](#)

RefSeq Size: 5032 bp

RefSeq ORF: 1344 bp

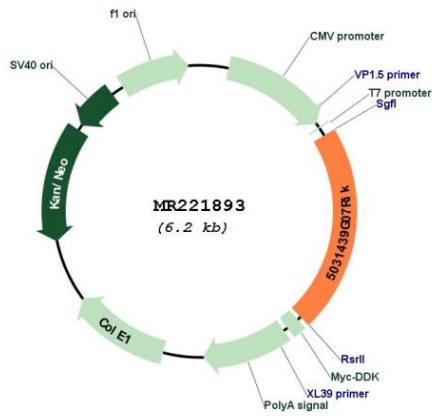
Locus ID: 223739

UniProt ID: [Q3UE31](#)

Cytogenetics: 15 E2

MW: 50.2 kDa

Product images:



Circular map for MR221893