

## Product datasheet for **MR217405**

### 5430419D17Rik (NM\_175166) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	5430419D17Rik (NM_175166) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	5430419D17Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide  
Sequence:

>MR217405 representing NM\_175166  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGGCTGCCACACCCGCTACTTTGGCTGCTGTTCTTCCATGCTGCGATCCTACCTGAAGCAGCTTGTT  
ACAGGAGGGACTTCAGAGGATCCGGAGCAAGGCTGGGGAAGGAACGGCCTAAGAGAAGCTCCATCCAGGG  
CGTGTCTGAGGAGCAGCAAGAAGGACATGGTGAGGAGCCAGCAGCAAGGCCTCAAGGTGATGGAATCCA  
GCCACCATATTATCAGTTTTGCCTGCTGCCATCTCCACTCAGCCATCTTCTAAGCTTGCCCCGAGTTCCT  
CTGTATCAGTCTACCTGTGGCTGACTCAGCACCTGGCAGTCGAAGAGCACATGCGCCCAGGATCAACCT  
CAAAGGTGCTGATATGTTACCAGACCTCACTCCAGTAATAGATCCGGAGTCGTACAAGCCATCAGGAGGC  
TGGGCCCCGTGAGGCTAGCAGGCAACCACGGGAGCTGTGCGGGCCGTGTAGAGCTTTCTACCAGGGAG  
TCTGGGGACTGTGTGATGACCTCTGGGACCTTCCACAAGCGAACATCATCTGCAGGCAGCTGGGGTG  
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ACCACAGTGAAGACGCCAGTGTCTGTTTCAGATGCTGAATACGGAACGGTCACACTCTCAGATCCCCC  
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GCCGCCAGGTCTCCTCAAACCTCCTCAGGATCCACTAACAGGAGGAAGTAACTCTTGTGGAGGAGTCATT  
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AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
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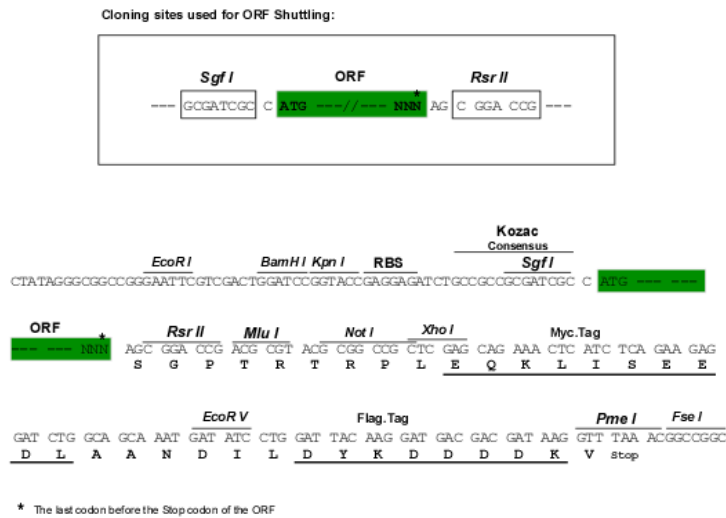
**Protein Sequence:** >MR217405 representing NM\_175166  
Red=Cloning site Green=Tags(s)

MGCHTRLLWLLFFHAAILPEAACYYRRDFRGSGARLGKERPKRSSIQGVSEEQEGHGEEPAARPQGDGNP  
ATILSVLPAAISTQPSSKLAPSSSVSVLPVADSAPGSRRAHAPRINLKGADMLPDLTPVIDPESYKPSGG  
WAPVRLAGNHGSCAGRVELFYQGVWGTVCDDLWDLQPANIIICRQLGCGWAVSALSEAYFGQSGKILLDN  
VHCKGHEEHLEECSHLWGF SHNCDHSEDASVICSDAEYGTVTLSDPPLAAMEGATNPEKSRCCGGVITSAP  
GKIKNPPMNMHDNITCVWEIRASTSEHIRLAFPSLDL DCTNEYFEILDGPPSSTKSLGKPCRGLHITFA  
SHSSSMTLVYFRGENNIGKNFMAYYYFEAKEMTTKTPYLITPTATSKMVTERPQFSNTPSGNISPLPVS  
DSGDWPELRLVGGSSRCSGRVEILYQGVWGTICDDLWGSNEAEVVCRLQLECGQAVSSLGEAYFGPGSGEI  
FLDNLQCSGMEHYLGQCPHSGWSEHNCGHHEDAGVICSDSDAPPPMPGPPPTPQDPLTGGNSCGGVI  
SSLSGSFTSPRYPENYPTDIQCVWEIHVEKNFRIELMIPNLNLEDILGCPYDSIEIFDGPRIASLSMGKF  
CAPSAVVFSSSDILTVVFRSDYMTTNTGFYAFFNAIPQDGRESEERPVLRLAGSSGQCGRVEILHQGA  
WGTVCDDLWDLNEAEVVCRLGCGHAIAPGSAYFGPGSGNILLDNIQCSGTENHFQCSSAWLDHNCG  
HHEDAGVICSDADVTPSPTEGSHSCGGVISNLSGSFSSPWYPTNYPTDTECIWEIHVAEKFNIELTIPSL  
K

SGP TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9096\\_b12.zip](https://cdn.origene.com/chromatograms/mm9096_b12.zip)

**Restriction Sites:** Sgfl-RsrII

**Cloning Scheme:**


**ACCN:** NM\_175166

**ORF Size:** 2523 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\\_175166.3](#), [NP\\_780375.2](#)

**RefSeq Size:** 2928 bp

**RefSeq ORF:** 2526 bp

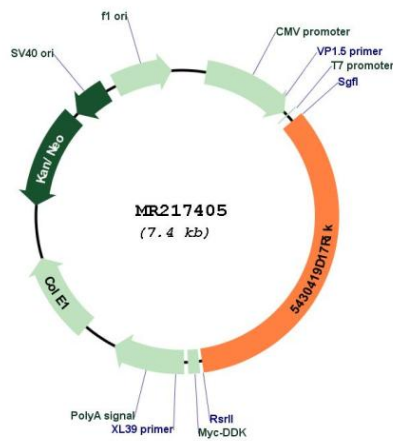
**Locus ID:** 71395

**UniProt ID:** [Q8BZE1](#)

**Cytogenetics:** 7 F3

**MW:** 90.7 kDa

**Product images:**



Circular map for MR217405