

Product datasheet for **MR214077**

4933430I17Rik (NM_177607) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	4933430I17Rik
Synonyms:	bN189G18.7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR214077 representing NM_177607
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGACTTCGGAGCTCAATTTGGTCTGGTTCGGTACTGAAAGCGCAAGAATCATTTGATTCTATGAACG
TGGCAGATGAGTCCAGTGGGACGAAGCCGTTTGTACCTTGTGAGGTTGTGAGCATCCACAGTGTGGGC
ATCTCTCCGACGGATTGAGAGGGGCCATCTAGGATCTGGACCCATCCCCAAATCTCCCAGAGAACT
GAAGATAAACTCCGACACTCAACATTGTAACATCACGGATACCTGCTGTGGACCCAGAAGAGGGTGG
CTCAGCAACAACCATCAGAATTTACCTTCCCCAAGATCGTCCCTCATTGTGGAAGCCAGCCTCCAAACG
TCAGAGCAGGTCTCCGAAGGCTTTACGTGACAAAGATGTGACTAGCCGTTCTCCTAGGCCCTCAAACCT
TCAGTGTGAATTTGAATGAAGCAAACTTCTCTCTGAAAATGTCAGTAACATGGTTGTGACCTGGG
TTCCAGAAGAAACGGAGAAGGACGTGAGCCAGTTCAAAAGACTGATGTTCCAGCTGGCCTGGGAAGAA
AAGGAGAAAAGAACTGCGAAAAGAAAGCAAGCCATCTCTGTACTACCCTGGAAGGCAGTACTCGAGAAGT
CCAGCGGCAATTGTACCTCCCCCTCCCCAGAACACCACTTGGAGCAATTAAGTCTGAAGCCATACCAC
TATGGGCTCAAGTTGGCATGCTTCCCAGGACCTGCTGGAGGAGTGCATCTTGGCAGATGAGAAATCCAT
AATTGGCCCTGAGGTGAAGATAGAGTTGTCCAAGATGAGAAAGAGTCTTCTCTGAAAAGGAGGCGACCT
GAAAGTGCTATCTCATCTAAGATGTATCTGACTATCCAACGCTCACCTGCAAGACCATCACTGCGGT
ATCCTGCTGCTCTGAGGAAGCTTTGCCCAACCTGAAGCAAGGTGAGGGCCTTGTGGGCATGGATCTTC
AGATTCTTGATGCAGCAGGGGAAGGCGAAAACCTTCTCCTCGAAACAGGAGCCTAAGAAGAAAGCCAAG
AGAAATGTCAAGGGCCAGTATGGGGAAGAAACCACGTGGGGCATTCTTCCATGACAGTGTAGGACTCA
GAATATCAGGACAGGAAGATCAACAAACGCCGTGGGAAGAAGAGGACATAGAGAAAACATCTGCAGAGAC
ACATGTTTCTTAGAAGAAGTGTATGAGTTTGACAAGTACTACACAGAATACTACGCCACTCCGGAGAGC
GCTGTACTATATGAGACAGTTTACCAGAACCTTGATGATGACGAGGAGACTATGGTGGGAATCAAGGCTT
CCAGCAAAGACCGTAACCTCAAGAACCTTCTGCAATGATGGACGGCATCGGCTGGAACCTGAGCTCAA
ATTGCTGAGGATTCTCAGGCCACTGAGGAGGAAGATGAGGAAGGCCATAATTCTAGGGCACAGAGTAAG
ACGTCTCTAGAAGCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214077 representing NM_177607
Red=Cloning site Green=Tags(s)

MRLRSSIWSGSVLKAQESFDSMNVADESQWDEAVCTLSGCQHPQCWASLRRIERGHPRILDSPKSPRET
EDKLPTLTIVNITDTCLWTQKRVAQQPSEFTFPKDRPSLSKPASKRQSRSPKALRDKDVTSRSPRLKL
SVLNLNEAKLPLSENVSNMVVTWVPEETEKDVSPVQKTDVSSWPGKRRKKLRKSKPSLYPGRQYSRS
PAAIVPPPSPEHLEQLSPEAIPLWAQVGMPLQDLLEECILAEKSIIGPEVKIELSKMRKSLPLERRRP
ESAISSKMYLTIQRLTLQRPSLRYPARLRKLCPLNKQGEGLAGHGSSDSLMQQKAKTFPPKQEPKKKAK
RNVKGQYGEETTSGHFFHDSVGLRISGQEDQQTPEEEDIEKTSAEHVSLEEVYEFDKYYTEYYATPES
AVLYETVYQNLDDDEETMVGKASSKDRNLKNLSAMMDGIGWNPELKLLRILQATEEEDEEGHNSRAQSK
TSLEA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9081_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_177607

ORF Size: 1485 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:

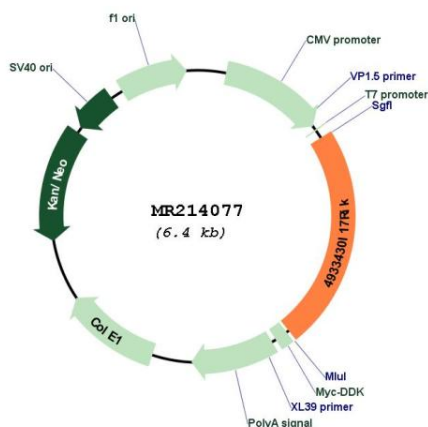
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_177607.3](#), [NP_808275.1](#)

RefSeq Size: 1783 bp
 RefSeq ORF: 1488 bp
 Locus ID: 214106
 Cytogenetics: 4 B3
 MW: 56.3 kDa

Product images:



Circular map for MR214077