

Product datasheet for MR214456

4930402F06Rik (NM_001080709) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4930402F06Rik (NM_001080709) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4930402F06Rik
Synonyms:	RP23-458A10.2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR214456 representing NM_001080709 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGATACAAAATATTAATCCTATCGCTATTGGTTCTAATGTCTCTCTATGCCAGTATAGAGAATACC
CTTTCAGCATAAAGAACTGCAGATGACGTATCAGTGCTGGTCTCTGAAAAACCAACCAGAACTCCAGCC
CTCAGACTGGTTAACGCCACAATGGACTCAACACACATGGGCATGAGAGCTACTAACTGGTCCGCTCCG
ATTGTGTGGACCAACACTTACAATGAGTTAGTCTTGGCAAGTTATTATAAGAAGCATCCAGTTACCGTGG
GGTTGATCGTGTTGCAGTGGGAAGATACCTTTTGTACTACTTGGGTCACTTCTGGAATCTGCCGATAG
GTCTTTCATGGTCAACCAGAAGTTCATCATTTACATCATGCTGGAGCACTTCTCCTATATGCCATGGGTA
GATCTGAGTCGCCATCGGACACTAAAGATTTTTAAGATTAAGCAAGAGCGGAGGTGGCAAGATATCAGCA
TGGTGGCATGAAGGTCAATCAGTGAACACATCGCAGGTCACATACAGCATGAGGTTGACTATGTCTTCTG
CATGGATGTGGATCAGATATTCAAAGCCAAGTACGGTCTGGAGACTCTGGGAGACTCTGTAGCTCAGTTG
CACACGTATTGGTACAAGGAAAGTCCAAGCAAAGTACCTTATGAGAGGAACAAGTCATCAGAAGCGTACA
TAGCAGTAGGCGAGGGGGACTTTTATTACCATGCTGCTGTTTTTGGAGGCACAACCACTCAGTTTTTCAA
GATTACCAAGGAGTGTGCCAAAGCAATTATGAAAGATAAGAAAAATAACATTGAAGCAGTTTGGCATGAT
GAAAGCCATTTAAACAAGTATTTCTTTCTCCATAGACCCACTAACTCTGTGCCAGAAATATTGCTGGG
ATTTAAGTAAGAATAAGACTTCTGATATTAAGACTGTCAAACCTCGCTTGAACCTTAAAGAACTATAAATT
TCTTAGAAGGCGCCTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >MR214456 representing NM_001080709
 Red=Cloning site Green=Tags(s)

MRYKILILSLLVLMSLYAQYREYPFSIKKLQMTYQCWSLKNQPELQPSDFNATMDSTHGMGRATNWSAP
 IVWTNTYNELVLASYYKKHPVTVGLIVFAVGRYLLYYLGHFLESADRFMVNQKVIYIIMLDDFSYMPWV
 DLSRHRTLKIFIKQERRWQDISMVRMKVISEHIAGHIQHEVDYVFCMDVDQIFKAKYGLETLGDSVAQL
 HTYWYKESPSKVPYERNKSSEAYIAVGEEDFYHAAVFGGTTTQVFKITKECAKAIMKDKKNNIEAVWHD
 ESHLNKYFFLHRPTKLLSPEYCWDL SKNKTSDIKTVKLAWNFKNYKFLRRRL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9061_f11.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001080709

ORF Size: 996 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_001080709.2](#), [NP_001074178.1](#)

RefSeq Size: 1371 bp

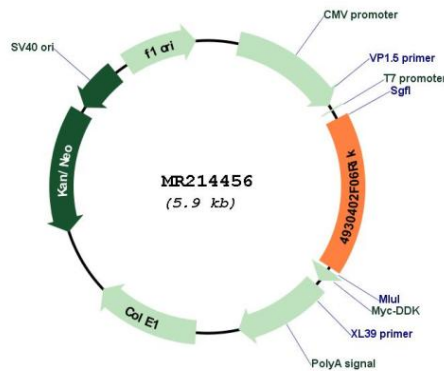
RefSeq ORF: 999 bp

Locus ID: 74854

Cytogenetics: 2 B

MW: 39.5 kDa

Product images:



Circular map for MR214456