

Product datasheet for MR213408

4930579F01Rik (NM_001163385) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	4930579F01Rik (NM_001163385) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	4930579F01Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR213408 representing NM_001163385 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTCCCGTGGACACGGGAGGACATGGGAGGAGAAGGGAAAGAGCATCAACAAACGGAGCAGGTTTGA
ACAACATCCCAATCTGCACCGTGAATGATGATGACACATGTCCCAGATCGCTGTATATCTCTGACCAGTT
TAGCCCTCCGAGAGGAATGAGACCTCAGTAGCAAAATCACTAACCCCTCCAGCACCGCATCCCCAGAA
AGCCTGAGAGTGGGAGGACTGTCACCAGCCCCAGCCAAACTGCCTGCCAGGCCTCAGTCGGAGCCATGTA
GAAAATCCAGCCAGTGCCTCAAGACTTCCAAGACAATCCCTTGGTGAAAAATAAGTTGAACATAAAGC
TAAAAGGCCACTCCCATCTGCAAGGATGTGCTCTGCCGCTGCCTTCCAATCCTCAGACGCGATGAGCAAC
AGAATGGATGGGAATGAGAACACCGTGCACATTCCCAACTACCTGGATCAGGAGATAAAGATCCTGGCAA
AGCTCTGAAATTTTGCATACCGACTCTCTGGCGGAGGTTCTGAACTGGCTGCTTCAAGCAAGCAACAA
AGAAAAGGAATGGGTATCAGCTCTGGTTCATTCTGAGCTAGTGAGATAAACCTGTTGACTCGCCACAGA
GCAAAACACCCCAACAGAACCCAGCAGCAGAGCCCAGGAAGCCGTACACCTCCGGAACACCCACAACCAAAAC
TGCTGCAAAACTCACGTGCAAAGCTGAAAGCGCTGACTGGATCTAGAGAGCGTCAGCTACACAGAACGTC
AAGTCAAGGATCCAAAGGGAACAAGCTGGTGTACACGGGGCTGAGACACCACTGTTTATAAGAAGAAAC
AAGAAGCAAACACCTGTTACAGAATATCTCAATCCAGAGTCTCCTTAGGGTCCAACAGTGTGGCGAGCA
GATCACCAATCCGGGGTCAGCCAGGAGTGCAACAAGGCTACAGCCCTCAAAGAGTGTCTATCCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR213408 representing NM_001163385
Red=Cloning site Green=Tags(s)

MAPVDTGGHGRRRERASTNGAGLNNIPICTVNDDDTCPRSLYISDQFSPSERNETSVAKFTNPPSTASPE
 SLRVGGLSPAPAKLPARPQSEPCRKSSQCFKTSKDNPLVKNKVEHKAKRPLPSARMCSAAAFQSSDAMSN
 RMDGNENTVHIPNYLDQEIKILAKLSEILHTDSLAEVLNWLQASNKEKEWVSALVHSELAEINLLTRHR
 ANTPTEPAAEPRKPYTSGTPTTKLLQNSRAKLKALTGSRERQLHRTSSQGSKGNKLVSHGAETPLFIRRN
 KKQTPVTEYLNPE SPLGSNSVASRSPNPGSARSAQGYSPQRVFP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9059_h07.zip

Restriction Sites: Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001163385

ORF Size: 975 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_001163385.1](#), [NP_001156857.1](#)

RefSeq Size: 1715 bp

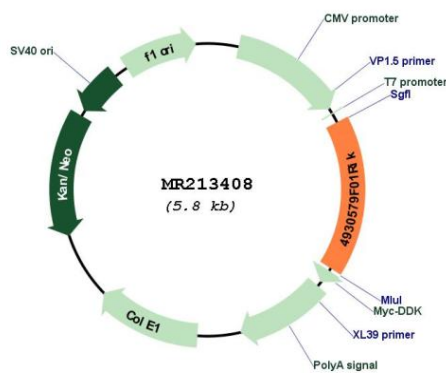
RefSeq ORF: 978 bp

Locus ID: 67741

Cytogenetics: 3 G3

MW: 35.5 kDa

Product images:



Circular map for MR213408