

Product datasheet for MR229191

Gm3409 (NM_001243113) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gm3409 (NM_001243113) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gm3409
Synonyms:	100041566
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR229191 representing NM_001243113 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTCTCCTGTTCCAGGGTTCAGAGGCTCCGGCCACAAAAAGCCAAGAGCGGTTTCCTTGTTTCGCT
TTTGGAGACGTTTGATTCGCCCTCTGATACACTTCAGGCATGCTCCACAGTGAGCCCAAGTCTGTTT
TCAAAATGAACAGGAGCCAGACTCTCTGCCAAGCGCCCCAGTTCAACTATGACAGCCAAGAATACGTG
GTACAAATGATCCACTACATTCCAGCTGCTATTCAGAAACGTGACCACATCTGTATCACCATATTTCTTG
GCGTCTACCGAACGTATGCCAGCACTTGGGAGGTGCTGGACCTGCTGATGAGAACGTATGCATCCTCCG
GCCTGACTGTATAAAGGACCAGCAAACTAAGAGAGCCATATTCAGGTTTCTGTTCCGGCTGGTTAAGAAA
TACCCCAAGGATTTTATGAGTCCCAAGACCTGGCTGTTGTGAGGCAGTTCATTGACTATGTGAAGCACA
ATGTGCCTTCCTCAGATGTAGATAGAGCCAGGGAGCTGCTCTCCCTGCTGGAAGATCAGGAGGCAATAGA
GCTACAGATTGAGCAAGCTCCAGAGCCCTCAGAGCAGGATGCCTCTGGGAGGCAGGAGACTCTGGCTCTG
AGGCCAGCTTCTGAGACAGAGCCACAGGGAGACAAGCAACCCCGAGAGGATCCTGAGCTTGTGAAAGGAG
CAGTTCGGATCCCTCTGAACAAAAGCCACAATAGAGCTGCCTCCGTCTTTACATCAAGCTGTGCCAC
ATCAGATGGTACACTCTCACCTGTAGATGTTACTGCAGATGAGGCGACAGGTGTGGCTGCAGATGAGGCT
GCAGATGTTGCTGCAGATGTTTACCTGCCAGGCAGTTATTTGTGTCTTACACTGTGCAGTTAGGTACAC
CAGATTTGTCATCCCTCTGCCTGAGTTGACATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229191 representing NM_001243113
Red=Cloning site Green=Tags(s)

MFSCFQGSRGSGHKKAKSGFLVRFWRRLIRPLIHFHASHSEPKVCSQNEQEPDSLPKRPQFNYSQYEV
 VQMIHYIPAAIQKRDHICITIFLGVYRTYASTWEVLDLLMRTYASFRPDCIKDQQTAKRAIFRFLFGWFKK
 YPQDFYESPD LAVVRQFIDYVKHNVPSSD VDRARELLSLEDQEAIELQIEQAPEPSEQDASGRQETLAL
 RPASETPEQDKQPREDPELVKGAVLDPSEPKATIELPSSLHQA VPTSDGTLSPVDVTADEATGVAADAEA
 ADVAADVSPARQLFVSYTVQLGTPDFVIPLPEVDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001243113

ORF Size: 945 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_001243113.1](#), [NP_001230042.1](#)

RefSeq Size: 1154 bp

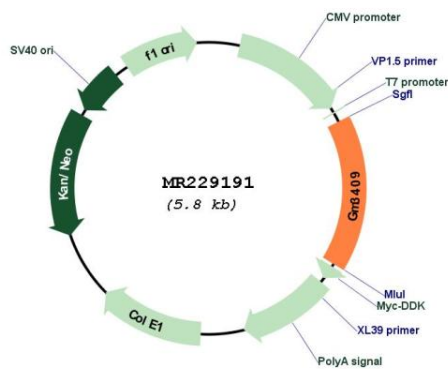
RefSeq ORF: 948 bp

Locus ID: 100041566

Cytogenetics: 5

MW: 36.1 kDa

Product images:



Circular map for MR229191