

Product datasheet for MR211431

3110045G13Rik (BC042490) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	3110045G13Rik (BC042490) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	3110045G13Rik
Synonyms:	3110045G13Rik; Jedi-1; Megf12
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211431 representing BC042490 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGCCACTTTGTCCCCTCCTCCTGGCCCTAGGCCTGCGTCTGACTGGGACACTCAACTCCAATGATC
 CCAATGTCTGTACCTTTGGGAAAGCTTCACCACGACCACTAAGGAGTCCACCTGCGCCCTTCAGCCT
 GCTCCCAGCTGAGTCTGCCACAGGCCCTGGGAGGACCCACACCTGTGCCAGCCTACGGTTGTCTAC
 CGGACTGTGTACCGTCAGGTGGTGAAGATGGACTCCCGCCACGCCTGCAGTGTGTAGGGTTACTACG
 AGAGCAGAGGGGCTGTGTCCCCTCTGTGCCAGGAGTGTGTCCATGGTCGCTGTGTGGCTCCGAATCA
 GTGCCAGTGTGCACAGGCTGGCGGGTGGCGACTGCTCCAGCGAGTGTGCCCGGGAATGTGGGGACCA
 CAGTGTGACAAGTTCTGCCACTGTGGCAACAACAGTTCCTGTGATCCCAAGAGTGGGGCGTGTCTTTGCC
 CCTCTGGCCTGCAGCCCCCAACTGCCTTCAGCCTTGCCCTGCCGGCCACTATGGTCTGCCTGCCAGTT
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 GGACCCAGCTGTAATGTGCCCTGTTACAGGGCACTGATGGCTTCTTCTGCCCCAGAACCTATCCTTGCC
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 TGCACTGCCTCTGTGACGAGGGCTCTGCCTTGCCGACAGCGGCTCTGTGGTGGCGCCAGGATA
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 TGGAGTCTGCAGCCCCAACTGGAGCCTGTACTTGCACCCCTGGGTGGCATGGTGTCTACTGCCAGCTT


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CCCTGCCCGAAGGGACAGTTTGGTGAAGGCTGTGCCAGTGTCTGTGACTGTGACCACTCTGATGGCTGTG
ACCCTGTTTCATGGACAGTGCCGATGTCAGGCTGGTTGGATGGGCACACGCTGCCACCTGCCTTGCCCGGA
GGGCTTTTGGGGAGCCAACTGCAGTAACACCTGTACCTGCAAGAAATGGTGGTACCTGTGTGTCTGAGAAT
GGCAACTGCGTGTGCGCACCCAGGGTTCGAGAGCCCTCCTGCCAGAGGCCCTGCCCGCTGGTCGCTATG
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GCTGGACTGGACCAACTGCTTGGAAAGGCTGCCACCAAGAAATGTTTGGTGTCAACTGCTCCAGCTATG
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GTCTTTGGGCTCCAGTCCCGCTTCTCCAGGCTGCTCTGGTCACTACGACTCCCCAAGAACAGC
CATATCCCTGGACACTATGACTTGCCTCCAGTACGGCATCCTCCATCCCCTCCATCCCGGCCAGGACC
GC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211431 representing BC042490
Red=Cloning site Green=Tags(s)

MPLCPLLLLLGLRLTGLNSNDPNVCTFWESFTTTTKESHLRPFSLPAESCHRPWEDPHTCAQPTVVY
RTVYRQVVKMDSRPLQCCRGYYESRGACVPLCAQECVHGRCVAPNQCCAPGWRGGDCSSECAPGMWGP
QCDKFCHCGNNSCDPKSGACFCPSGLQPPNCLQPCPAGHYGPACQFDCQCYGASCDPQDGACFCPPGRA
GPSCNVPCSQGTGDFFCPRTPCQNGGVPQGSQSGSCPPGWMGVICSLPCPEGFHGPNTQEERCHNGG
LCDRFTGQCHCAPGYIGDRCQEECPVGRFGQDCAETCDAPGARCFPANGACLCEHGFTGDRCTERLCPD
GRYGLSCQEPCTDPEHSLSCHPMHCLCLHGGCLADSGLCRCAPGYTGPHCANLCPDPTYGINCSSRCS
CENAIACSPIDGTCICKEGWQRGNCSVPCPLGTWGFNCNASQCAHDGVCSPQTGACTCTPGWHGAHCQL
PCPKGQFGECCASVDCDHSDDGCDPVHGQCRCQAGWMGTRCHLPCPEGFWGANCSNTCTCKNGGTCVSEN
GNCVCAPGFRGPSCQRPGRYGRKRCVQCKCANNHSSCHPSDGTCSCLAGWTGPDCEACPPGHWGLKC
SQLCQCHHGGTCHPQDGSICITPGWTGPNCLEGCPPMFVGNCSQLCQCDLGEMCHPETGACVCPPGHSG
ADCKMGSQESFTIMPTSPVTHNSLGAVIGIAVLGTLVVALIALFIGYRQWQKKEHEHLAVAYSTGRLDG
SDYVMPDVSPSYSHYNSPYHTLSQCSNPPPNKVPQSGLFVSSQAPERPSRAHGRENHTTLPADWKH
RREPHDRGASHLDRSYSCSYSHRNGPGPFCHKGPISSEGLGASVMSLSENPHYATIRDLPSLPGEPRESG
YVEMKGPPSVSPRQSLHLRDRQQRQLQPQRDSGTYEQPSPLSHNEESLGSTSPLPPGLPPGHYDSPKNS
HIPGHYDLPPVRHPPSPPSRRQDR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: BC042490

ORF Size: 3012 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:

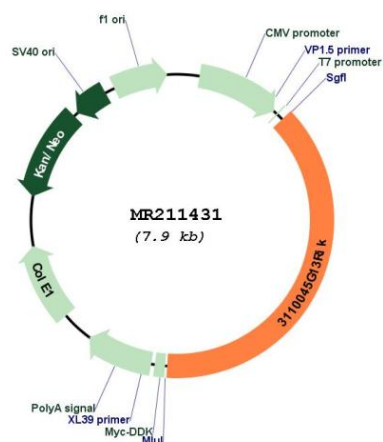
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store 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: [BC042490.1](#)

RefSeq Size:	3503 bp
RefSeq ORF:	3014 bp
Locus ID:	73182
Cytogenetics:	3 F1
MW:	128.4 kDa
Gene Summary:	When overexpressed, reduces the number of both early and late non-adherent myeloid progenitor cells.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211431