

Product datasheet for RC211924

MEIS2 (NM_172315) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEIS2 (NM_172315) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MEIS2
Synonyms:	CPCMR; HsT18361; MRG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC211924 representing NM_172315 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGACGGAGTAGGGTTCCCGCTTCCATGTACGGAGACCCTCACGCGCCGGGCCGATCCCCCGGTTCC
ACCACCTGAACCACGGGCGCCGCTCCACGCCACACAGCACTACGGCGCGCACGCCCGCACCCCAATGT
CATGCCCGCCAGTATGGGATCCGCTGTCAACGACGCCTTGAAGCGGGACAAGGACGCGATCTATGGGCAC
CGTTGTTTCTCTGTTAGCTCTGGTCTTTGAGAAGTGCAGCTGGCGACCTGCACTCCCGGGAACCTG
GAGTGGCTGGCGGAGACGTCTGCTCCTCCGACTCCTTCAACGAGGACATCGCGGTCTTCGCAAGCAGGT
TCGCGCCGAAAAGCCACTTTTTCTCAAATCCAGAGCTGGACAATTTGATGATAACAAGCAATACAAGTA
CTAAGGTTTCACTTTTGGAGTTAGAAAAGGTCCACGAACTGTGCGATAACTTCTGCCACCGATACATTA
GCTGTTTGAAGGGGAAAATGCCCATCGACCTCGTCATTGATGAAAGAGACGGCAGCTCCAAGTCAGATCA
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GCAACCTCAACCCACTCAGCAGGCACCCAGGGCCCTCCAGTGGGGCCATGCTTCCAGAGCGGAGACA
ACAGCAGTGAGCAAGGGGATGGTTTAGACAACAGTGTAGCTTACCTGGTACAGGTGACGATGATGATCC
GGATAAGGACAAAAACGCCAGAAGAAAAGAGGCATTTTCCCAAAGTAGCAACAAATATCATGAGAGCA
TGGCTCTTCCAGCATCTCACATCCGTACCCTTCCGAAGAGCAGAAGAAACAGTTAGCGCAAGACACAG
GACTTACAATTCTCCAAGTAAACAACACTGGTTTATTAATGCCAGAAGAAGAATAGTACAGCCCATGATTGA
CCAGTCAAATCGAGCAGGTTTTCTTCTTGTATCCTTCAAGTACAGCAAGGAGCAGCATATAGTCCAGAGGGT
CAGCCCATGGGGAGCTTTGTGTTGGATGGTCAGCAACACATGGGGATCCGGCCTGCAGGACCTATGATG
GAATGGGCATGAATATGGGCATGGATGGCAATGGCACTACATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC211924 representing NM_172315
 Red=Cloning site Green=Tags(s)

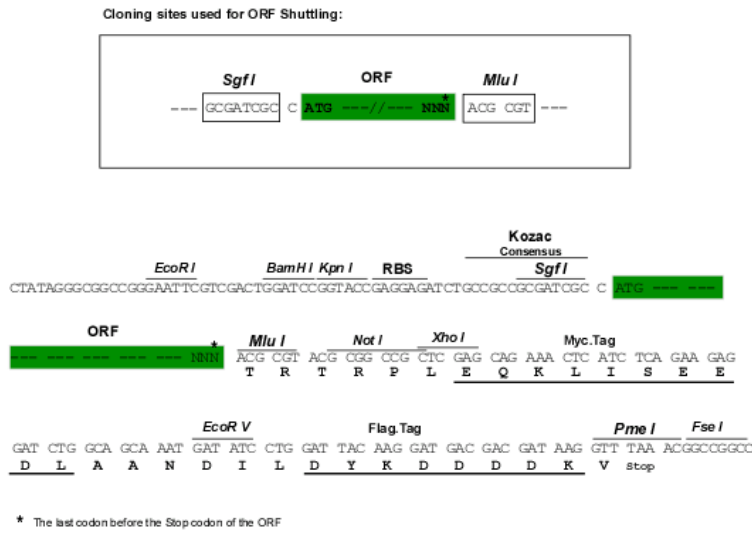
MDGVGVPASMYGDPHAPRPIPPVHHLNHGPPLHATQHYGAHAPHPNVMPASMGSAVNDALKRDKDAIYGH
 PLFPLLALVFEKCELATCTPREPGVAGGDVCSDFSFNEDIAVFAKQVRAEKPLFSSNPELDNLMIQAIQV
 LRFHLLLEKVELCDNFCHRYISCLKGKMPIDLVIDERDGSKSDHEELSGSSTNLADHNPSSWRDHD
 ATSTHSAGTPGPSGGHASQSGDNSSEQDGLDNSVASPGTGDDDDPKDKKRQKRGIFPKVATNIMRA
 WLFQHLTHPYPSEEQKKQLAQDTGLTILQVNNWFINARRRIVQPMIDQSNRAGFLLDPSVSQGAAYSPEG
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

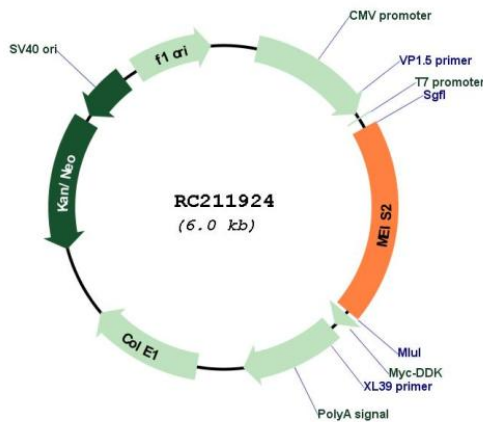
Chromatograms: https://cdn.origene.com/chromatograms/mk8056_d09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_172315
ORF Size:	1164 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.
RefSeq:	NM_172315.3
RefSeq Size:	2775 bp
RefSeq ORF:	1167 bp
Locus ID:	4212
Protein Families:	Transcription Factors
MW:	42.1 kDa
Gene Summary:	This gene encodes a homeobox protein belonging to the TALE ('three amino acid loop extension') family of homeodomain-containing proteins. TALE homeobox proteins are highly conserved transcription regulators, and several members have been shown to be essential contributors to developmental programs. Multiple transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq, Jul 2008]