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Product datasheet for MR211949

Med23 (NM_027347) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med23 (NM_027347) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Med23
Synonyms:	130kDa; 3000002A17Rik; Crsp3; ESTM7; mKIAA1216; Sur2; X83317
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR211949 representing NM_027347
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGTACCGATGGAGACGCAACTGCAGAGCATTTTCGAGGAGGTGGTGAAAACAGAAATTATAGAAGAGG
CCTTCCCAGGAATGTTTATGGATACCCCCGAGGATGAAAAAACAAAACTAATTAGCTGCTTGGCGGCCTT
CCGGCAGTTTTGGAGTGGACTTTCTCAGGAGTCTCATGAACAGTGTGTTCAGTGGATTGTTAAATTTATT
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TCCTTCCACCCAGGATGGTTTGTGAATCTTTGATAAACTCTGACTCTCTTGAATGGGAAAGAACACAGCT
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CCTTTTGCCATATGATAAGGATCTGTTTGAACCGCAGACTGCTTTGTTGAGATATGTACTGGAGCAACCT
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AGGACCAGTTGGTGGACCTGGTGGTGTACGCCATGGAGAGGTCAGAGACCGAGGAGAAGTTTGACGATGG
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TTTACGTTACCTATGGGAGCTCTGGTAGAAACTATTTATGGAAATGGAATTATGAGAGTGCCTCTCCCTG
GAACGAGCTGTTTGGCCTCAGCATCAGTGACTCCCTTACCGATGAACCTCCTGGATTCACTGACGGTGCA
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AGCGGACCGACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211949 representing NM_027347
Red=Cloning site Green=Tags(s)

MVPMETQLQSIFEEVVKTEIIEEAFPGMFMDTPEDEKTKLISCLAAFRQFWSGLSQESHEQCVQWIVKFI
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ALAPALVETYSRLLVYMEIESLGIKGFISQLLPTVFKSHAWGILHTLLEMFSHRMHHIQPHYRVQLLSHL
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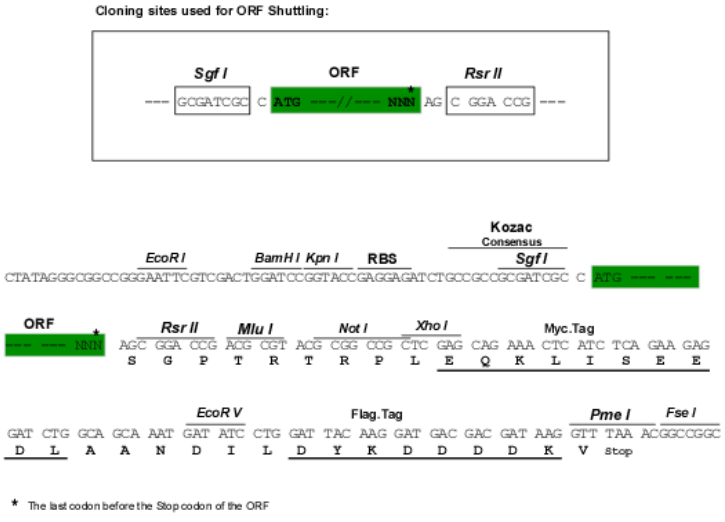
SGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9048_g08.zip

Restriction Sites: SgfI-RsrII

Cloning Scheme:

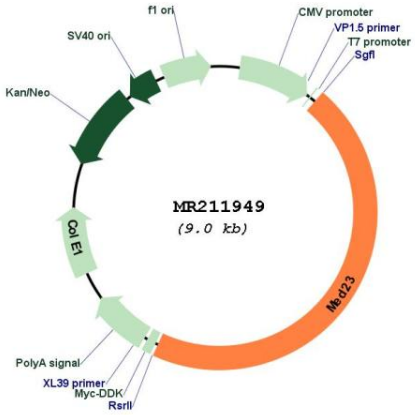


ACCN: NM_027347

ORF Size: 4110 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_027347.3, NP_081623.3
RefSeq Size:	4928 bp
RefSeq ORF:	4113 bp
Locus ID:	70208
UniProt ID:	Q80YQ2
Cytogenetics:	10
MW:	156.9 kDa
Gene Summary:	Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional pre-initiation complex with RNA polymerase II and the general transcription factors (By similarity). Also required for transcriptional activation subsequent to the assembly of the pre-initiation complex. Required for transcriptional activation by adenovirus E1A protein. Required for ELK1-dependent transcriptional activation in response to activated Ras signaling. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211949