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Product datasheet for MR217880

Med7 (NM_001104557) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Med7 (NM_001104557) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Med7
Synonyms:	1110063B05Rik; Crsp9; Crsp33
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR217880 representing NM_001104557 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGGTGAACCACAGCAAGTGAGTGCACTTCCACCGCCTCCAATGCAGTACATCAAGGAATATACAGATG AAAATAGTCAGGAAGGCTTGGCTCCAGGCCGACCTCCTCCAATTAAAGACAGCTACATGATGTTTGGCAA CCAGAAGCGATGTGATGATCTTATCATTCGCCCTTTAGAAAGTCAGGGCATTGAACGGCTTCATCCTATG CAATTTGATCATAAGAAAGAGCTGAGAAAACTCAATATGTCTATACTGATTAATTTCTTAGACCTTTTAG ACATCTTAATAAGAAGTCCTGGGAGTATAAAACGAGAAGAAAAGCTAGAAGATCTTAAGCTACTTTTTGT ACATGTACATCATCTTATAAATGAATATCGACCCCACCAAGCAAGAGAGACTTTGAGAGTCATGATGGAG GTCCAGAAACGCCAGCGCCTTGAAACAGCTGAGAGGTTTCAGAAACATCTGGAACGAGTCATTGAAATGA TTCAGAATTGCTTGGCTTCTTTGCCCGATGATTTGCCCCATTCAGAAGCAGGGATGAGAGTTAAAGCTGA GCCGATGGATACTGATGATAACAGCAATTGTCCTGGACAGAATGAACAACAAAGAGAAAGTTCAGGTCAC AGAAGGGACCAGATTATAGAAAAAGATGCTGCCTTATGTGTGCTAATTGATGAAATGAATGAAAGGCCA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA

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Protein Sequence:

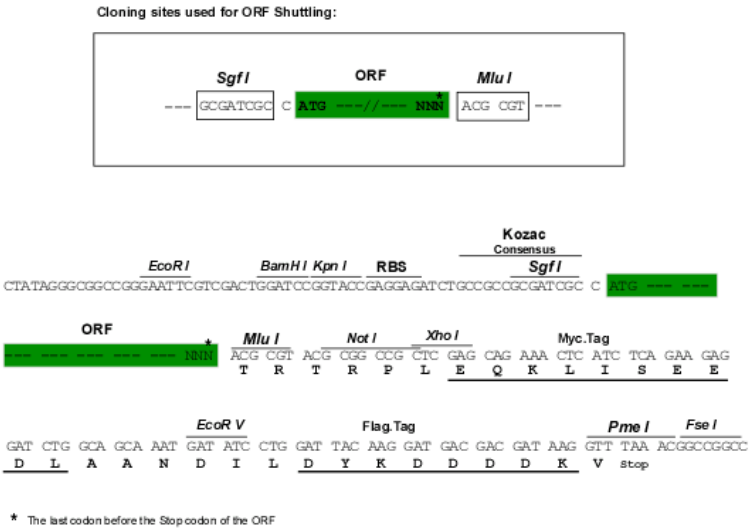
>MR217880 representing NM_001104557
Red=Cloning site Green=Tags(s)

MGEPQQVSALPPPPMQYIKEYTDENSQEGLAPGRPPPIKDSYMMFGNQKRCDDLIIRPLESQGIERLHPM
QFDHKKELRKLNMSILINFLDLLDILIRSPGSIKREEKLEDLKLLFVHVHHLINEYRPHQARETLRVMME
VQKRQRLETAERFQKHLERVIEMIQNCLASLPDDLPHSEAGMRVKAEPMDTDDNSNCPGQNEQQRESSGH
RRDQIIEKDAALCVLIDEMNERP

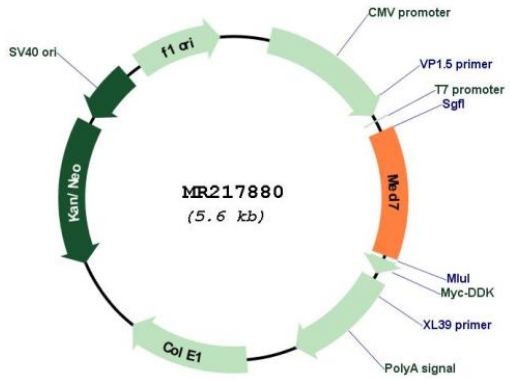
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001104557

ORF Size: 699 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_001104557.1, NP_001098027.1
RefSeq Size:	2222 bp
RefSeq ORF:	702 bp
Locus ID:	66213
UniProt ID:	Q9CZB6
Cytogenetics:	11 B1.1
MW:	27.7 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 preinitiation complex with RNA polymerase II and the general transcription factors (By similarity). [UniProtKB/Swiss-Prot Function]