

Product datasheet for **RR211286**

Mansc1 (NM_001109603) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mansc1 (NM_001109603) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mansc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR211286 representing NM_001109603
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCTCTTCGGGGACACAGTTGGCTTACACATTGGTAATCATTTCCTTCTGACACCAAGGCTGTCCG
CTGGTCAGAACTGCTTCCCAAGAGCCTGGAGGATGTTGTCATCGACATTCAGTCTTCGCTTCCAAAGG
CATCAGAGGCAATGAGCCATACACATGGCAGCTCAGGAAGACTGCATCGGTGCCTGCTGTCAACACAC
GACATAGCCGGGACAAGTCATGTAATTTGATGATCTTCGACACCCGGAAGACAGACAGACAGCCCAACT
GTTACCTGTTTTCTGTCCCAAGTGAGGACGCTGTCCACTGAAGCCAGCCAAGGGCCTTGTGAGCTACAG
GCTCTTCAGAGATGTTCCACTGACCAGAGCTAATTCATCACTCCAAAAGTTAACACAAGAGGAGTCTCTC
TACTTGGCCACGCCTTACCAGGAGTCAACCCTGGGGTCCCTCCCCAGCAGGCTACCCAAAGCCACCG
GCCTGTTTTGGAGAGACTTATCTTCTCCGAAGTCCACAACCTCCCTGCATTGCAGAAATACATCCAGGT
TGATGACGCAAGCAGCAGCCCCCTTCTATGAAGGGAAAACCATTCTCAGAGCTTACAGCTTCCCTCA
GAACTAAACATGGTTACCTGCTCCCTAAAACGCCTCCATTTCCACTGTGGCTCCCCGGGTAGTAACG
TCTCTGCCACCCTGAAACCTGCATTCTGCTGGCCAGCATTTTCAGTGACACCTAAGACTTACAGGCCGAA
GGACGCCACCACAGTTCACACGTAACCACTGTGACCTCGGAGTCTCCAGCAGTCCCGTGTCTACAGGT
TTTATACCCGTGGTTTTACCCCAAGCAGCTTTGACGACCATCCTTCAAGCACATACAGACTCGAAAGGCA
TCTTCAAACAGTGCCCTTTCGAGGAGGCTCCAAGCTAATTCAGACACGAGGCATGGGAAGCGCCCTGC
TGCCACTTCTTTGTCAACCTCAGAGTCTCCGTTATAAACAAGACTGCCCCCTGGGAGAACGGGAGGATC
AGTGTAGGCAGCATACCACGGAACAGGGGTCCAAACCCCGCATGGCCTTTCATTTGAGAAATGGCTTC
TCATTGGGACCCTCCTCTCGGTGTTTTGTTTCTGGTAATAGGCCTCGTCTCTTGGGTAGGATGCTGGT
TGAATCCCTCCGTAGGAAACGCTATTCAAGACTTGACTACTTGATCAATGGGATCTATGTTGACATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR211286 representing NM_001109603
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MLFGGHSLAYTLVIISFLTPRLSAGQNCFTKSLEDVVIDIQSSLKRGNEPIHMAAQEDCIGACCSTH
 DIAGDKSCNLMIFDTRKTRQPNLCYLFFCPSEDACPLKPAKGLVSYRLFRDVPLTRANSSLQKLTQEESL
 LLGHALPGVTPGVPPPAGYPKPTGLFWRDLSSPKSTTSLHLQKYIQVDDASTQPPSYEGKNHSQSLQLPS
 ELNMMVHLLPKTPPFPTVAPRGSNVSATLKPALLLASISVTPKTSRPKDATTVPHVTTVTSESPAVPVSTG
 FIPVVSPOAALTTILQAHTDSKIGIFKTVFRRGSKLTSDRHGKRPAAATSLSTSESSVINKTAPWENGRI
 SVGSIPRNRGPNTRHGLSFEKWLIIIGTLFGVFLVIGLVLLGRMLVESLRRKRYSRDLYLINGIYVDI

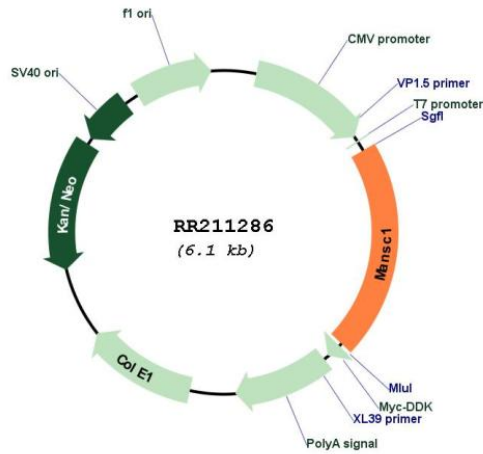
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109603

ORF Size:	1257 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:	<ol style="list-style-type: none">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_001109603.2 , NP_001103073.1
RefSeq Size:	1260 bp
RefSeq ORF:	1260 bp
Locus ID:	690606
Cytogenetics:	4q43
MW:	45.4 kDa