

Product datasheet for **MR206544**

Mansc1 (NM_026345) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mansc1 (NM_026345) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mansc1
Synonyms: 9130403P13Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR206544 representing NM_026345
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTCTTCAGGGGAACCAAGCTTGGCTTACTCGTTGCTGGTCATTTCTTCTGACACCAAGGTCGTCG
CTGGTCAGAACTGCCTACCAAGAGTCTAGAAGACGTTGTCATTGACATCCAATCGTCGCTTTCAAAGG
CATTTCGAGGCAATGAGCCATACACTTGGCAACTCAGGAAGACTGTATCGGTGCCTGCTGTTCAACAAA
GACATAGCAGGGGACAAGGCATGTAATTTGATGATCTTTGACACCCGGAAGACAGACAGACGCCAACT
GCTACCTGTTTTCTGTCCAGCGAGGATGCCTGTCCGCTGAAGCCAGCCAAGGGCCTTGTGACCTACAG
GCTCATCAGAGATTTCCGCTGACCAGCGCTAATTCATCACTCCAACAGTTAACACAAGGAGAGTTTCTC
TACTTGACCATTTCGTCACCAAGGAGCCACCCCTGGGTTTCGTACCCAGCAGGTTACCCAAAGCCACCG
GCCTGTCTGGAGTGACAGATCTTCTCTGAAGTCCACAGCCCCCTGCACTTGCGCAAACACATCAAGGC
TGATGAAACAAGCATGCAGCTCCCTGAAGAAAAAGCCATTCTCAGAGTTTACAGCTTCCCTCAGAACTA
AAAATGGCTCATCTGCTCCCTAAAAGTGTGCCGACTCCACCTACCACTGTAGCTGTGGCTCCCTCCGTA
ACGTCTCTGCCACCCTGAAGCCTGAGCTTCTGTTGACCAGCATTTCAAGTACAGTAAGACTTTGAAGCA
GAAGGAGGCCACCACAGCATCACCTGTCCACCGTACCTCGAAGCTCCAGGAGTCCCAGGGTCTACA
AGTTTTACACCGTGGTTACACATCAGGCAGCTTTGACTAACACCTTTTCAGGCACATACAGACTCCAAAG
GCATCTTAGAAACAATGCCCTTTCAAGGAGGCTCTACGCTGACTTCAGACCCGAGGCACGGGAAAAGCTC
AACCTCAGAGTCTTCCATTACAAACAAGACTGCTTCTGGGAGGACAGGAGGGTCAAGTGTAGGCAGCGCA
TCGCTGAACAAGGGTCCAAAAGCCAGCATGGCCTTTTATTTGAGAAGTGGCTTCTCATTGGGACCTCC
TTTGTGGTGTGTTTCTGGTAATAGGTCTCGTCCTTGGGTAGGATGCTGGTTGAAGCCCTCCGTAG
GAAACGGTATTCAAGACTTGACTACTTGATCAACGGGATCTATGTTGACATC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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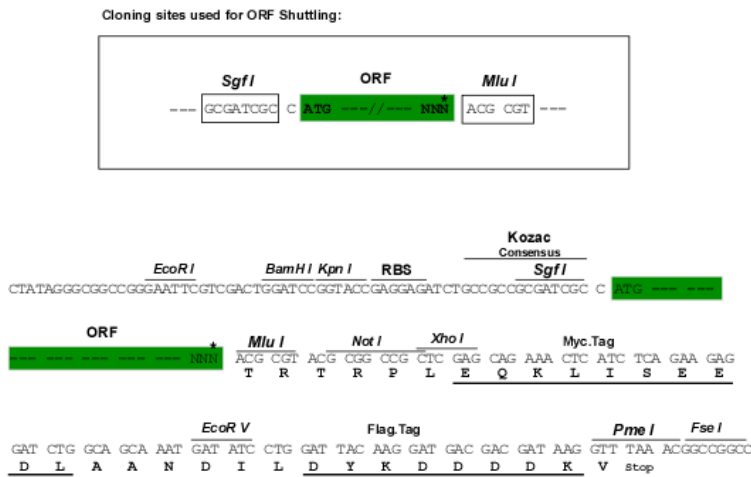
MLFRGTSLAYSLLVISFLTPRSSAGQNCLTKSLEDVVIDIQSSLKSGIRGNEPIHLATQEDCIGACCSTK
 DIAGDKACNLMI FDRKTRDRQPNCYLFFCPSEDACPLKPAKGLVTYRLIRDFPLTSANSSLQQLTQGEFL
 LLDHSSPGATPGFRTPAGYPKPTGLSWSDRSSLKSTAPLHLRKHIIKADETSMLPEEKSHSQSLQLPSEL
 KMAHLLPKTVPTPTTVAVAPLRNVSATLKPELLLTSISVTAKTLKQKEATTASPVTTVTSKLPGVPGST
 SFTPVVTHQAALNTFQAHTDSKGILETMPFQGGSTLTS DPRH GKSSSTSESSITNK TASWEDRRVSVGSA
 SLNKGPKSQHGLSFEKWLLIGTL LCGV LFLVIGL VLLGRMLVEALRRKRYSRLDYLINGIYVDI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9027_a10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_026345

ORF Size: 1242 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_026345.4](#), [NP_080621.1](#)

RefSeq Size: 2405 bp

RefSeq ORF: 1245 bp

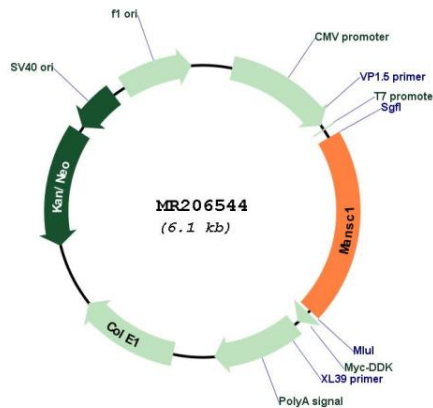
Locus ID: 67729

UniProt ID: [Q9CR33](#)

Cytogenetics: 6 G1

MW: 45.3 kDa

Product images:



Circular map for MR206544