

Product datasheet for **RC223968**

MANEL (MANEAL) (NM_152496) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: MANEL (MANEAL) (NM_152496) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: MANEAL
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC223968 representing NM_152496
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGATAACGGGGAGCCCTCAGATGACCTGGTGCCCGCCATTCTGGACACCGCCCATCAGTACAGCATCCA
 GGTATGGCTCCCATGGTGCATTTTACCGCTATAAGAACAGCATGGGCAAGAGCCCTCCCACTTTTTATAT
 CTACGACTACACTGACGTCCCCTGAGGCCCTGGGCCACCTCCTGACACCAACGGGCCCATTCGATC
 CGCAACACGCCCTACGATGGGGTCTTCATAGCGCTGCTGGTGGAGGAGGCCACACCCACGATATCCTGG
 CCGCCGGATTTGACGGCATGTACACCTACTTTGCCTCCAATGGTTTCTCCTTTGGTTCTCCCATAGAA
 CTGAAAGCTGTGAAGAACTTTGTGATGCCAACAACCTCATGTTTCATCCCAAGTGTGGGCGCTGGCTAC
 ATAGACACCAGCATTGGCCCTGGAACAACCACAATACGCGCAACAGGGTCAATGGCAAGTACTATGAGA
 CGGCCCTGCAGGCGGCCCTGACAGTGGGCCGAGATCGTTTCCATTACCTCCTTCAATGAGTGGCACGA
 GGGCACCCAGATTGAGAAGGCCATTCCAAGAAGACCCACCCGCTGTATTTGGACTACCTGCCTCAC
 CAGCCCAGCCTGTACCTGGAGCTGACACGCCGCTGGGCGGAGCACTTCATCAAAGAGAAGGAGCAGTGGC
 TCATG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC223968 representing NM_152496
Red=Cloning site Green=Tags(s)

MITGSPQMTWCPPFWTPPISTASRYGSHGAFYRYKNSMGKSLPLFYIYDSYLTSPAWAHLTPNGPHSI
 RNTPYDGVFIALLVEEGHHDILAAAGFDGMYTYFASNGFSFGSSHQNWKA VKNFCDANNLMFIPSVGPGY
 IDTSIRPWNHNRNRVNGKYYETALQAALTVRPEIVSITSFNEWHEGTQIEKAIPKKTPTRLYLDPYLP
 QPSLYLELTRRWAHFIIKEKEQWLM

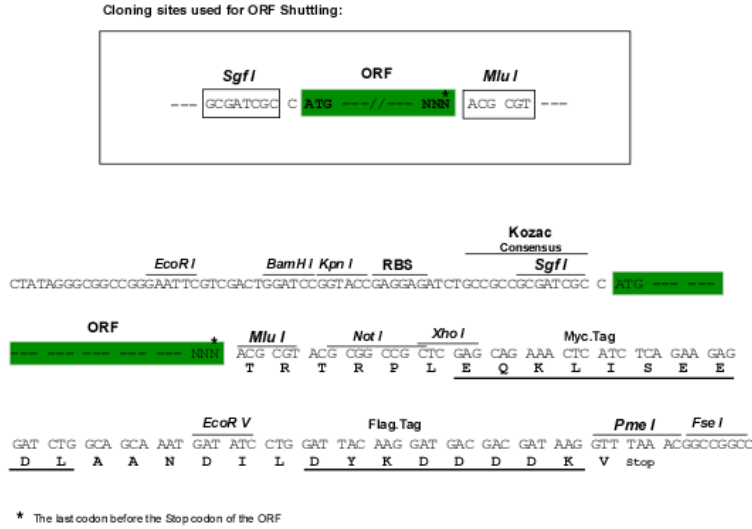
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV



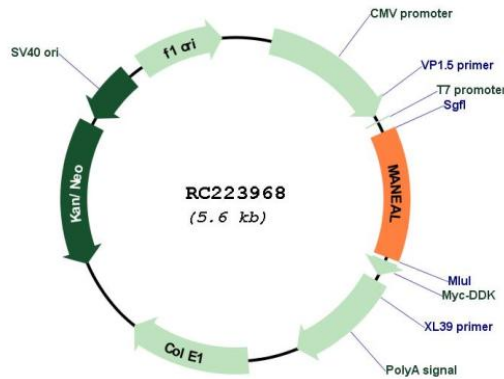
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Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_152496

ORF Size: 705 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_152496.2
RefSeq Size:	2341 bp
RefSeq ORF:	708 bp
Locus ID:	149175
UniProt ID:	Q5VSG8
Cytogenetics:	1p34.3
Protein Families:	Transmembrane
MW:	26.8 kDa