

Product datasheet for **MG207377**

Manea (NM_172865) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Manea (NM_172865) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Manea
Synonyms:	4932703L02Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG207377 representing NM_172865
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCAAAATTTGAAGAAGGACCTGCATCCTTTTGTCACTTTTTATTCTATTTATTTTTCTCTGATGA
 TGGGCTTAAAGATGCTGTGGCCAAACGCAGCATCCTTTGGACCTCCTTTGGACTTGACCTCCTCCAGA
 ACTTCATCCACTAAATGCGCATTTCGGGAAACAAAGCTGACTTCCAAAGGAGTGATAGAATCAACATGGAA
 ACAAACACCAAGGCTTTAAAGGCGCTGGCATGACTGTGCTGCCAGCAAAGCCTCTGAGGTGAACCTGG
 AAGAACTACCTCCTGAATTACTTTTTACATGCATTTTATTACAGTTGGTATGGAAATCCACAGTTTGA
 TGGTAAATATATACTGGAATCATCCGGTCTGGAACACTGGGACCCTCGGATAGCCAAGAAGTATCCA
 CAAGGACAACATAGTCTCCAGACGACATTGGCTCCAGTTTTTATCCTGAGTTAGGAAGTACAGCTCTC
 GAGACCCTTCTGTCATAGAACTCACATGAAACAAATGCGCTCAGCCTCAATTGGAGTTCTGGCCCTGTC
 TTGGTACCCACCTGATTCAGGGATGACAATGGCGAAGCTACTGATCACTTGGTGCCAACCATTTTGGAT
 AAAGCTCATAAATATAATCTGAAGGTCACCTTTTACATAGAGCCATATAGCAATCGAGATGATCAAACA
 TGCATCAAATATCAAGTATATTATAGCAAAATATGAAAACCATCCAGCCTTTTATAGATACAAGACCAG
 GACTGGGCATTCTCTGCCATGTTTTATGTCTATGATTCTTACATCACAAGCCTACAATATGGGCAAT
 CTGTTAACACCCTCCGGATCTCAGAGTGTTCGCAGTTCTCCTTATGATGGATTGTTTATTGCACTTCTAG
 TAGAAGAAAAGCATAAAAATGATATTCTCAGAGTGGTTTTGATGGTATTTACACATATTTTGCCACAAA
 TGGCTTTACATATGGCTCATCTCATCAGAATTGGAATAACCTGAAATCCTTTTGTGAAAAGAACAACCTG
 ATGTTTATCCCAAGTGTAGGCCAGGATACATAGATAACAAGCATCCGACCATGGAACACTCAGAACACCC
 GGAACAGAGTCAATGGGAAGTATTATGAAGTTGGTCTAAGTGTGCACTCCAGACCCACCCAGTTTAAAT
 TTCCATCACCTCTTTCAATGAGTGGCATGAAGGAACCTAAATTGAAAAGGCTGTCCCAAAAAGAAGTCT
 AACACGATATACCTGGATTACCGCCTCATAAGCCAAGTCTTTATCTAGAACTAACTCGAAAAGTGGTCTG
 AAAAATTCAGTAAGGAAAGAATGACGTATGCATTGGATCAACAGCAGCCTGCTTCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG207377 representing NM_172865
 Red=Cloning site Green=Tags(s)

MAKFRRTCILLSLFILFIFSLMMGLKMLWPNAASFGPPFGLDLLPELHPLNAHSGNKADFQRSDRINME
 TNTKALKGAGMTVLPKASEVNLEELPPLNYFLHAFYYSWYGNPQFDGKYIHWNHVPVLEHWPRIAKNYP
 QGQHSPDDIGSSFYPELGSYSSRDPVSIETHMKQMRASIGVLALSWYPPDSRDDNGEATDHLVPTILD
 KAHKYNLKVTFHIEPYSNRDDQNMHQNIKYIIDKYGNHFAFYRYKTRTGHSLPMFVYVDSYITKPTIWAN
 LLTPSGSQSVRSPYDGLFIALLVEEKHKNDILQSGFDGIYTYFATNGFTYGSSHQWNNLKSFCEKNNL
 MFIPSVGPGYIDTSIRPWNTQNRNRVNGKYYEVGLSAALQTHPSLISITSFNEWHEGTQIEKAVPKRTA
 NTIYLDYRPHKPSLYLELTRKWEKFSKERMTYALDQQQPAS

TRTRPLE - GFP Tag - V

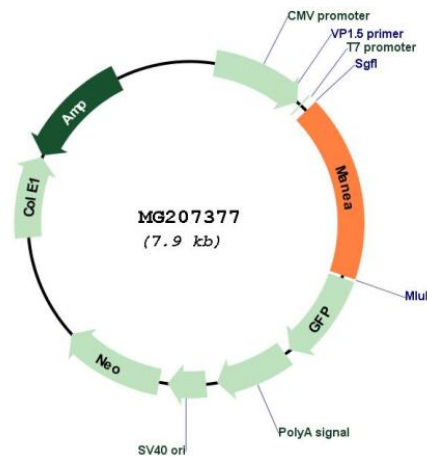
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_172865

ORF Size: 1386 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:	<u>NM_172865.2</u> , <u>NP_766453.2</u>
RefSeq Size:	4645 bp
RefSeq ORF:	1389 bp
Locus ID:	242362
UniProt ID:	<u>Q6NXH2</u>
Cytogenetics:	4 A3