

## Product datasheet for **RR208924**

### Manea (NM\_080785) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Manea (NM_080785) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Manea
Synonyms:	Enman
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR208924 representing NM\_080785  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCAAAATCCGAAGAAGACCTGCATCATTTTTGTCACATTTTTATTGTATTTATTTCTCTCTGATGA  
 TGGCTTAAAGATGCTGTGGCCAAACGCAGCATCCTTTGGACCTCGTTTGGACTTGACCTCCTCCAGA  
 ACTCCGTCACCCGAATACCCACTTGGAAAAACAAGCCGACTTCCAAAGGAGTGATCGAATCGACATGGAA  
 ACAAACACCAAGGATTTGAAAGGGGCTGGTGTGACTGTGCACCCACCCAGAGCCTCTGAGGTGAACCTGG  
 AAGAACTGCCTCCACTGAACTATTTGTACATGCATTTTATTACAGTTGGTATGGAAACCCACAGTTCGA  
 TGGTAAATACGTACACTGGAACCATCCAGTCTGGAACACTGGGACCCTAGAATAGCCAAGAAGTATCCA  
 CAAGGAAGACATAGTCTCCAGATGACATTGGCTCCAGTTTTATCCTGAGTTAGGAAGTTACAGCTCCC  
 GAGACCCTTCTGTCATAGAACTCACATGAAACAAATGCGCTCAGCCTCCATTGGAGTACTGGCCCTGTC  
 TTGGTACCCACCTGATGCAAGTGACGAGAATGGAGAAGCTACTGATTACTTGGTACCAACTATTTTGGAT  
 AAAGCTCATAAATAATCTGAAGGTCACCTTTTACATAGAACCATATAGCAATCGAGATGACCAAAACA  
 TGCATCAAAATGTGAAGTATATTATAGCAAGTATGAAACCATCCAGCCTTTTATAGGTACAAGACCAG  
 GATGGGGCATTCTCTACCCATGTTTTATCTATGATTCTTATATCACAAAGCCTAAAACATGGGCCAAT  
 CTATTAACACCCTCAGGATCTCAGAGTGTTCGCGGTTCTCCTTATGATGGCTTGTATTGCACTTCTAG  
 TAGAAGAAAAGCATAAATACGATATTCTCAAAGTGGTTTTGATGGAATTTACACATATTTTGCCACAAA  
 TGGCTTACATATGGCTCATCTCATCAGAATTGGAATAAACTGAAATCATTTTGTGAAAAGAACAACATG  
 ATATTTATCCCAAGTGTAGGCCAGGATACATAGATAACAAGCATCCGTCATGGAACACTCAGAACCC  
 GGAACAGAATCAATGGGAAATATTATGAAGTTGGACTAAGCGCTGCACTCCAGACCCAGCCAGTTTAA  
 CTCCATCACCTCTTTCAATGAGTGGCATGAAGGGACTCAAATCGAAAAGGCTGTCCCAAAAAGAAGTCT  
 AACACGGTATACCTGGATTACCGCCTCATAAGCCAAGTCTTTACCTAGAAATAACTCGAAAATGGTCTG  
 AAAAATACAGTAAGGAAAGAATGACGTATGCATTGGATCAACAGTGCCTGCTTCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208924 representing NM\_080785  
 Red=Cloning site Green=Tags(s)

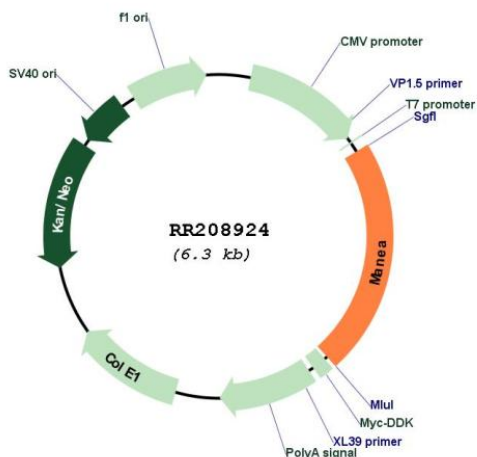
MAKFRRTCIIISLFIIVFIFSLMMLKMLWPNAASFPPFGLDLLPELRPPNTHLENKADFQRSDRIDME  
 TNTKDLKGAGVTVHPPRASEVNLEELPPLNYFVHAFYYSWYGNPQFDGKYVHWNHPVLEHWPRIAKNYP  
 QGRHSPDDIGSSFPELGSYSSRDPVSIETHMKQMSASIGVLALSWYPPDASDENGEATDYLVTILD  
 KAHKYNLKVTFHIEPYSNRDDQNMHQNVKVIIDKYGNHPAFYRYKTRMGHSLPMFYIYDSYITKPKTAN  
 LLTPSGSQSVRGSFYDGLFIALLVEEKHKYDILQSGFDGIYTYFATNGFTYGSSHQNWNKLSFCEKNM  
 IFIPSVGPGYIDTSIRPWNTQNRNRINGKYVEVLSAALQTQPSLISITSFNEWHEGTQIEKAVPKRTA  
 NTVYLDYRPHKPSLYLEITRKWSEKYSKERMTYALDQQLPAS

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_080785

**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:**

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\\_080785.2](#), [NP\\_542963.2](#)

**RefSeq Size:** 1389 bp

**RefSeq ORF:** 1389 bp

**Locus ID:** 140808

**UniProt ID:** [Q5GF25](#)

**Cytogenetics:** 5q21

**MW:** 53.4 kDa

**Gene Summary:** an enzyme involved in early N-linked oligosaccharide processing [RGD, Feb 2006]