

## Product datasheet for **RR208411**

### Mnt (NM\_001105807) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Mnt (NM\_001105807) Rat Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Mnt  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >RR208411 representing NM\_001105807  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGCATAGAGACGCTACTGGAGGCGGCCGCTTCTGGAATGGCAAGCGCAGCAACAACAGAGAGCAC  
 GTGAGGAGCAGGAGCGCCTTCGCTGGAGCGGGAACGTGAGAGAGAGCAGGAGCAGAAGAGGGCAAGTAA  
 CCTGGCAAGGTTGGCCATGCCCTGCCTGTGGAGGAACCCGAGTCGAGGCTCCACCACTACCTTTGTCT  
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 CTGTAGTGACCAATTCACCACAGTCCCTACCCCGCCTCCACCTCTGCCCCCGCAGCCAGCCTCTTCC  
 CTTGGCACCTCGTCAGCCAGCCCTGGTCAGCACCCCTGGACTCAGCATTAAAGGAGCCAGTCCCCCTGCC  
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 GTCCCAAGCCTTTCAGCCCTCCCTACGCCCATCCTAACATTGCACCACCCCTGGAGTCCAGCCTCA  
 GCTGGCTCCCAGCAACCACCCCGCCCACTTGAACCCTGAAGTTGGCACCAGCCGAAGAAGCCAAA  
 TCCAGTGAACAAAAGAAGAGGCCTGGGGGATCGGAACCAGAGAAGTCCACAACAATTGGAGAAGAACA  
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 TTCAAATCTGAGCGTGTGCGGACGGCGCTGCGGTACATCCAGTCCCTGAAGAGGAAGGAGAAGGAGTAT  
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 GGCCTGGGCCACCTAAGCTTGAACCATCGTCCCAGCCGGAGCTGTGAAAGCCGCCCTGCCAACCCCC  
 AGCACCCGCCCTGCGCCTCTGCCTGCCATCCGCACCCCTACCCCAACCCAGTGGCCCTGTCTCTGCC  
 ACCTCCCTGTGCAGCAGCAGCCACCACAGCAAAAGACCCCTCTGCCAGCCCTCTCCCCACCTGCCAC  
 CCCCACCCAGACGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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Protein Sequence: >RR208411 representing NM\_001105807  
 Red=Cloning site Green=Tags(s)

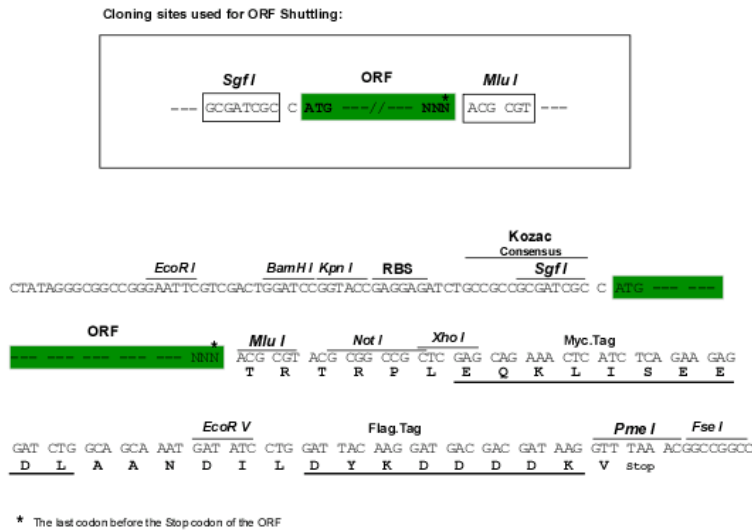
MSIETLLAARFLEWQAQQQRAREEQERLRLEREREREQEQRASNLARLAHALPVEEPRVEAPPLPLS  
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 TRPQVPTAPLLPDSKTTVAPTGSPKPLQPLPTPILTIAPHPGVQPLAPQQPPPTLGLTKLAPAEAK  
 SSEQKKRPGGIGTREVHNKLEKNRRAHLKECFETLKRNIIPNVDDKKTSNLSVLRTALRYIQSLKRKEKEY  
 EHEMERLAREKIAATQORLAELKHEL SQWMDVLEIDRVL RQTGQPEDDQASTSTASEGEDNVDEEMEGDRA  
 GLGPPKLEPSSPAGAAESRPANPQHRPCASACPSAPSPPPSGPVSCPPPCAAAATTAKDPSASPSSPTCH  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

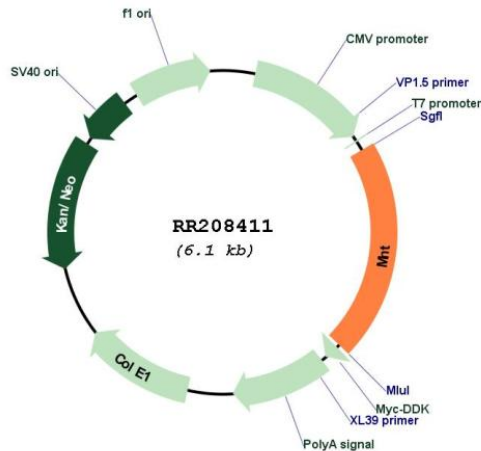
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



|                               |   |
|-------------------------------|---|
| <b>ACCN:</b>                  | NM_001105807  |
| <b>ORF Size:</b>              | 1275 bp   |
| <b>OTI Disclaimer:</b>        | 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. <a href="#">More info</a>  |
| <b>OTI Annotation:</b>        | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <a href="#">NM_001105807.1</a> , <a href="#">NP_001099277.1</a>   |
| <b>RefSeq Size:</b>           | 4568 bp   |
| <b>RefSeq ORF:</b>            | 1278 bp   |
| <b>Locus ID:</b>              | 287521  |
| <b>Cytogenetics:</b>          | 10q24   |
| <b>MW:</b>                    | 46.1 kDa  |