

## Product datasheet for **RR211235**

### Mesp1 (NM\_001107531) Rat Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
Product Name: Mesp1 (NM\_001107531) Rat Tagged ORF Clone  
Tag: Myc-DDK  
Symbol: Mesp1  
Mammalian Cell Selection: Neomycin  
Vector: pCMV6-Entry (PS100001)  
E. coli Selection: Kanamycin (25 ug/mL)  
ORF Nucleotide Sequence: >RR211235 representing NM\_001107531  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCAGCCCCTGTGCGGCCACTCTCCAAGTCTGGATCCCGAGTCCCGCTCGTCCGAGCCATCGA  
TGCCTTCCGATGGGGACAGCTTCTGCTCCCCAGCCTGGTCTCGGACTCGTGGGACGGTGGCCAGGCCAG  
CAGCCCTGCACTACCCTGTGCCCCGCCCGCCGGCGTGTGGGACCCCGGTAGGCGCGGGACGCATGGC  
AGCCGCTGGGTAGCGGACAGCGGCAGAGCGCCAGCGAACGCGAGAAGCTTCGTATGCGCACGCTCGCCC  
GCGCGCTGCACGAGCTGCGCCGTTCTTGCCCTCCTTCAGTGGCACCAATCGGCCAGAACCAGCAAGAT  
CGAGACGCTGCGCCTGGCCATCCGCTACATCGGCCACCTGTGCGCTGTGCTGGGCCTCAGCGAGGACAGC  
CTCCGGCAACAGCGACACGCGGTGTACCTCGAGGCTGCCCGCTGTGCCCGACAGCGGCCTGGCGCAGG  
CGCAGTCTCTCGGTCCCATTTAAGCCCGGTTGCCTGCAGCGGGGTGTCCTGGGGTTCTTCGCCCGCCTA  
CCCTAGACCCCGGTGCGCCGAGAATCGTGGGACCCATCATTCTGTACACCGAAACAGCATCCCTGGAA  
AGGCAGGAGATGGAGCCAGCCCTCGTCTCCGCTCTTCAGCAGCGACATGCTGGCTCTGCTAGAAACCT  
GGACACCTCAGGAGTGCCGCCAGCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR211235 representing NM\_001107531  
Red=Cloning site Green=Tags(s)

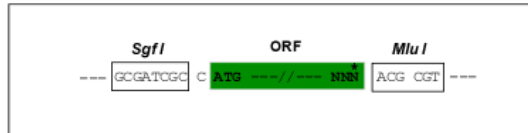
MAQPLCAPLSKSWIPSPARPQPSMPDGSFCSPAWSDDSDGAQASSPALPCARPARRAGTPGRRGTHG  
 SRLGSGQRQSASEREKLRMRTLARALHELRRFLPPSVAPIGQNLTKIETLRLAIRYIGHLSAVLGLSEDS  
 LRQQRHAVSPRGCLCPDPSGLAQASLGPLSPVACSGVSWGSSPAYPRPVAEESWDPSFLYTETASLE  
 RQEMEPSPLFSSDMLALLETWTPQEWPPA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001107531

**ORF Size:** 726 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\\_001107531.1](#), [NP\\_001101001.1](#)

**RefSeq Size:** 1275 bp

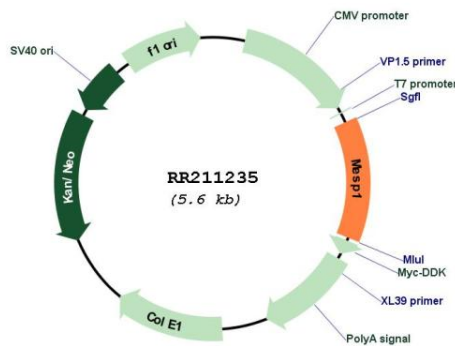
**RefSeq ORF:** 729 bp

**Locus ID:** 308766

**Cytogenetics:** 1q31

**MW:** 26.1 kDa

**Product images:**



Circular map for RR211235