

## Product datasheet for MR229254

### Mest (NM\_001252293) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Mest (NM\_001252293) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Mest  
 Synonyms: AA408879; AI256745; Peg1  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 ORF Nucleotide Sequence: >MR229254 representing NM\_001252293  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGAGAGAGTGGTGGGTCCAAGTAGGGCTCCTGGCTGTGCCCTTGCTGGCTGCGTACCTGCACATCCCGC  
 CCCCTCAGCTCTCCCCTGCTCTGCACTCATGGAAGACTTCTGGCAAGTTTTTCACCTACAAAGGCCCTACG  
 CATCTTCTACCAAGATTCTGTCGGTGTGGTCGGAAGCCCTGAGATAGTTGTGCTTTTACATGGCTTTCCA  
 ACATCCAGCTATGACTGGTACAAGATCTGGGAAGGGCTGACCCTGAGTTCCATCGAGTGATCGCCCTTG  
 ATTTCTTAGGCTTTGGCTTCAGTGACAAGCCGAGACCACATCAGTACTCCATATTTGAGCAGGCCAGCAT  
 CGTAGAGTCCCTTCTGCGGCACCTGGGGCTCCAGAACCAGCAATCAACCTGCTGTCTCACGATTATGGA  
 GATATCGTTGCTCAGGAAGTGTGTACAGGTACAAGCAGAATCGATCTGGCCGGCTACCATAAAGAGTC  
 TCTGTCTGTCGAATGGAGGTATCTTTCCTGAGACGCATCGTCCTCTCCTTCTCCAAAAGCTCCTCAAAGA  
 CGGAGGTGTGCTTTCCCCATCCTCACCAGGCTCATGAATTTCTCGTGTCTCTCGAGGTCTCACTCCA  
 GTCTTTGGACCGTATACTCGACCCACTGAGAGTGAGCTGTGGACATGTGGGCTGTGATTCGCAACAATG  
 ACGGCAACCTGGTCATCGACAGTCTTTACAGTACATTAATCAAAGGAAGAAATCAGAAGACGCTGGGT  
 GGGAGCGCTTGTCTGTGTCCATCCCCATTTTATCTATGGCCATTGGATCCTATAAATCCGTAT  
 CCAGAGTTTTGGAGCTGTACAGGAAAACGCTGCCGCGGTCCACAGTGTGATTCTGGATGACCACATTA  
 GCCACTACCCACAGCTAGAGGATCCCATGGGCTTCTTGAATGCATATATGGGCTTCATCAACTCCTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR229254 representing NM\_001252293  
Red=Cloning site Green=Tags(s)

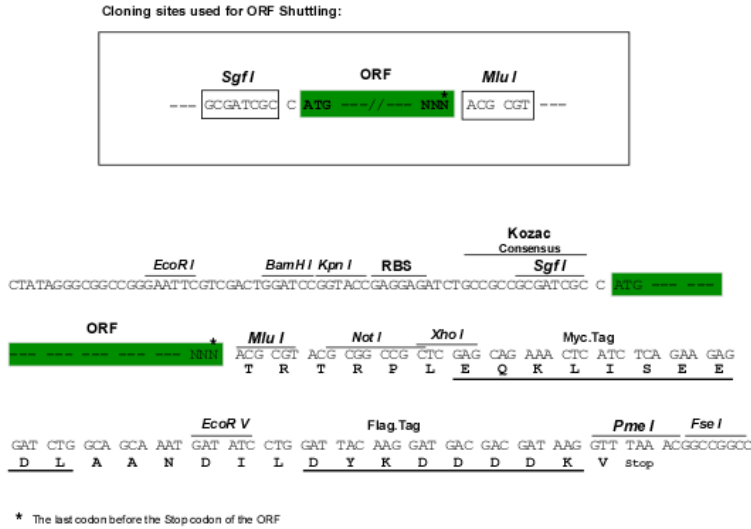
MREWWVQVGLLAVPLLAAYLHIPPQLSPALHWSWKTSGKFFTYKGLRIFYQDSVGVVGSPEIVVLLHGFP  
 TSSYDWKIWEGLTLRFHRIALDFLGFSDKPRPHQYSIFEQASIVESLLRHLGLQNRRLNLLSHDYG  
 DIVAQELLYRYKQNRSGRLTIKSLCLSNGGIFPETHRPLLLQKLLKGGVLSPIILTRLMNFFVFSRGLTP  
 VFGPYTRPTESELWDMWAVIRNNDGNLVIDSLLQYINQRKKFRRRWVWALASVSIPIHFYIGPLDPINPY  
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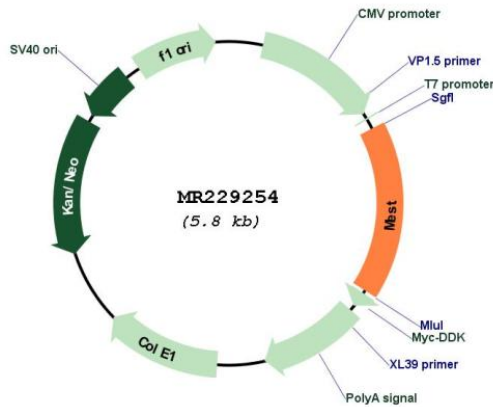
**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001252293

**ORF Size:** 978 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_001252293.1</a> , <a href="#">NP_001239222.1</a>
<b>RefSeq Size:</b>	2401 bp
<b>RefSeq ORF:</b>	981 bp
<b>Locus ID:</b>	17294
<b>UniProt ID:</b>	<a href="#">Q07646</a>
<b>Cytogenetics:</b>	6 12.53 cM
<b>MW:</b>	38.1 kDa