

Product datasheet for **MR229365**

Mest (NM_001252292) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mest (NM_001252292) 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: >MR229365 representing NM_001252292
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTATGTGTTAGAACCAGGAGCAGCTCTCTGCTTAAGGCCATGCAGATGAGAGAGTGGTGGTCCAAG
TAGGGCTCCTGGCTGTGCCCTTGTGGCTGCGTACCTGCACATCCCGCCCCCTCAGCTCTCCCCTGCTCT
GCACTCATGGAAGACTTCTGGCAAGTTTTTCACCTACAAAGCCCTACGCATCTTCTACCAAGATTCTGTC
GGTGTGGTCGGAAGCCCTGAGATAGTTGTGCTTTTACATGGCTTTCCAACATCCAGCTATGACTGGTACA
AGATCTGGGAAGGGCTGACCCTGAGGTTCCATCGAGTGATCGCCCTTGATTTCTTAGGCTTTGGCTTCAG
TGACAAGCCGAGACCACATCAGTACTCCATATTTGAGCAGGCCAGCATCGTAGAGTCCCTTCTGCGGCAC
CTGGGGCTCCAGAACCAGCAATCAACCTGCTGTCTCACGATTATGGAGATATCGTTGCTCAGGAAGTGC
TGTACAGGTACAAGCAGAATCGATCTGGCCGGCTACCATAAAGAGTCTCTGTCTGCGAATGGAGGTAT
CTTTCCTGAGACGCATCGTCTCTCTCTCCAAAAGCTCCTCAAAGACGGAGGTGTGCTTTCCCCCATC
CTCACCAGGCTCATGAATTTCTCGTGTCTCTCGAGGTCTCACTCCAGTCTTTGGACCGTATACTCGAC
CCACTGAGAGTGAGCTGTGGGACATGTGGGCTGTGATTGCAACAATGACGGCAACCTGGTATCGACAG
TCTTTTACAGTACATTAATCAAAGGAAGAAATTCAGAAGACGCTGGTGGGAGCGCTTGCTTCTGTGTCC
ATCCCCATTCTTTATCTATGGCCATTGGATCTATAAATCCGTATCCAGAGTTTTTGGAGCTGTACA
GGAAAACGCTGCCCGGTCCACAGTGTGATTCTGGATGACCACATTAGCCACTACCCACAGCTAGAGGA
TCCCATGGGCTTCTTGAATGCATATATGGGCTTCATCAACTCCTTC

ACGGTACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229365 representing NM_001252292
Red=Cloning site Green=Tags(s)

MYVLEPRSSLLKAMQMREWWVQVGLLAVPLLAAYLHIPPQLSPALHSWKTSGKFFTYKGLRIFYQDSV
 GVVGSPEIVVLLHGFPTSSYDWKIWEGLTLRFHRVIALDFLGFSDKPRPHQYSIFEQASIVESLLRH
 LGLQNRRLNLLSHDYGDIVAQELLYRYKQNRSGRLTIKSLCLSNGGIFPETHRPLLLQKLLKDGGLSPI
 LTRLMNFFVFSRGLTPVFGPYTRPTESELWDMWAVIRNNDGNLVIDSLLQYINQRKKFRRRWVGALASVS
 IPHFHYGPLDPINPYPEFLELYRKTLPSTVSIILDDHISHYPQLEDPMGFLNAYMGFINSF

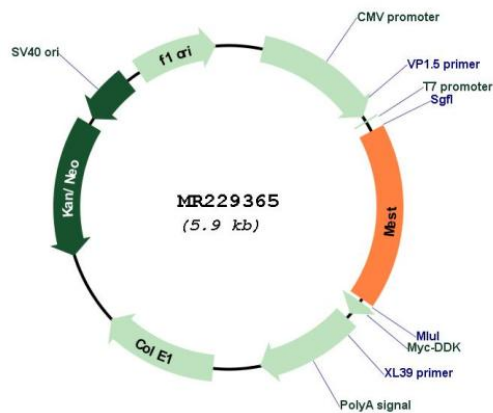
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001252292

ORF Size: 1026 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:	NM_001252292.1 , NP_001239221.1
RefSeq Size:	2680 bp
RefSeq ORF:	1029 bp
Locus ID:	17294
UniProt ID:	Q07646
Cytogenetics:	6 12.53 cM
MW:	40 kDa