

Product datasheet for **SC332251**

MEST (NM_001253901) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MEST (NM_001253901) Human Untagged Clone
Tag: Tag Free
Symbol: MEST
Synonyms: PEG1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332251 representing NM_001253901.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGAGGGAGTGGTGGGTCCAGGTGGGGCTGCTGGCCGTGCCCTGCTTGCTGCGTACCTGCACATCCCA
CCCCCTCAGCTCTCCCCTGCCCTCACTCATGGAAGTCTTCAGGCAAGTTTTCACTTACAAGGGACTG
CGTATCTTCTACCAAGACTCTGTGGGTGTGGTTGGAAGTCCAGAGATAGTTGTGCTTTTACACGGTTTT
CCAACATCCAGCTACGACTGGTACAAGATTTGGGAAGTCTGACCTTGAGTTTCATCGGGTGATTGCC
CTTGATTTCTTAGGCTTTGGCTTCAGTGACAAACCGAGACCACATCACTATTCCATATTTGAGCAGGCC
AGCATCGTGAAGCGCTTTTGGCGCATCTGGGGCTCCAGAACCGCAGGATCAACCTTCTTTCTCATGAC
TATGGAGATATTGTTGCTCAGGAGCTTCTCTACAGGTACAAGCAGAATCGATCTGGTCGGCTTACCATA
AAGAGTCTCTGTCTGCAATGGAGGTATCTTTCTGAGACTCACCGTCCACTCCTTCTCCAAAAGCTA
CTCAAAGATGGAGGTGTGCTGTACCCATCCTCACAGACTGATGAACCTCTTTGTATTCTCTCGAGGT
CTTTACAGTACATCAATCAGAGGAAGAAGTTCAGAAGGCGCTGGGTGGGAGCTCTTGCCTCTGTAAC
ATCCCCATTCATTTATCTATGGCCATTGGATCCTGTAATCCCTATCCAGATTTTTGGAGCTGTAC
AGGAAAACGCTGCCCGGTCCACAGTGTGATTCTGGATGACCACATTAGCCACTATCCACAGCTAGAG
GATCCCATGGGCTTCTGAATGCATATATGGGCTTCATCAACTCCTTCTGA
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Restriction Sites: Sgfl-MluI
ACCN: NM_001253901
Insert Size: 879 bp
OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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_001253901.1](#)

RefSeq Size: 2350 bp

RefSeq ORF: 879 bp

Locus ID: 4232

UniProt ID: [Q5EB52](#)

Cytogenetics: 7q32.2

Protein Families: Protease, Transmembrane

MW: 33.8 kDa

Gene Summary: This gene encodes a member of the alpha/beta hydrolase superfamily. It is imprinted, exhibiting preferential expression from the paternal allele in fetal tissues, and isoform-specific imprinting in lymphocytes. The loss of imprinting of this gene has been linked to certain types of cancer and may be due to promotor switching. The encoded protein may play a role in development. Alternatively spliced transcript variants encoding multiple isoforms have been identified for this gene. Pseudogenes of this gene are located on the short arm of chromosomes 3 and 4, and the long arm of chromosomes 6 and 15. [provided by RefSeq, Dec 2011]

Transcript Variant: This variant (5) differs in the 5' UTR, lacks an exon in the coding region and uses a downstream, in-frame start codon, compared to variant 1. Variants 5 and 6 encode the same isoform (d), which is shorter than isoform a.