

Product datasheet for **SC332250**

MEST (NM_001253900) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MEST (NM_001253900) Human Untagged Clone
Tag: Tag Free
Symbol: MEST
Synonyms: PEG1
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC332250 representing NM_001253900.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGTGCGCCGAGATCGCTCCGCAGGATGAGGGAGTGGTGGGTCCAGGTGGGGCTGCTGGCCGTGCC  
CTGCTTGTGCGTACCTGCACATCCCACCCCTCAGCTCTCCCCTGCCCTTCACTCATGGAAGTCTTCA  
GACTCTGTGGGTGTGGTTGGAAGTCCAGAGATAGTTGTGCTTTTACACGGTTTTCCAACATCCAGCTAC  
GACTGGTACAAGATTTGGGAAGGTCTGACCTTGAGGTTTCATCGGGTATTGCCCTTGATTTCTTAGGC  
TTTGGCTTCAGTGACAAACCGAGACCACATCACTATTCCATATTTGAGCAGGCCAGCATCGTGAAGCG  
CTTTTGGCCATCTGGGGCTCCAGAACCGCAGGATCAACCTTCTTCTCATGACTATGGAGATATTGT  
GCTCAGGAGCTTCTCTACAGGTACAAGCAGAATCGATCTGGTCGGCTTACCATAAAGAGTCTCTGTCTG  
TCAAATGGAGGTATCTTCTGAGACTACCGTCCACTCCTTCTCCAAAAGCTACTCAAAGATGGAGGT  
GTGCTGTACCCATCCTCACAGACTGATGAACCTCTTTGTATTCTCTCGAGGTCTCACCCAGTCTTT  
GGGCCGTATACTCGGCCCTCTGAGAGTGAGCTGTGGGACATGTGGGCAGGGATCCGCACAATGACGGG  
AACTTAGTCATTGACAGTCTCTTACAGTACATCAATCAGAGGAAGAAGTTCAGAAGGCGCTGGGTGGGA  
GCTCTTGCCTCTGTAACATCCCCATTCATTTTATCTATGGGCCATTGGATCCTGTAATCCCTATCCA  
GAGTTTTTGGAGCTGTACAGGAAAACGCTGCCCGGTCCACAGTGTGATTCTGGATGACCACATTAGC  
CACTATCCACAGCTAGAGGATCCCATGGGCTTCTTGAATGCATATATGGGCTTCACTCAACTCCTTCTGA
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Restriction Sites: SgfI-MluI
ACCN: NM_001253900
Insert Size: 966 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_001253900.1](#)

RefSeq Size: 2471 bp

RefSeq ORF: 966 bp

Locus ID: 4232

UniProt ID: [Q5EB52](#)

Cytogenetics: 7q32.2

Protein Families: Protease, Transmembrane

MW: 37.1 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 (4) uses an alternate splice site in the 5' coding region, but maintains the reading frame, compared to variant 1. The encoded isoform (c) is shorter than isoform a.