

Product datasheet for **MC218942**

Ces1c (NM_007954) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces1c (NM_007954) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ces1c
Synonyms:	Ces-N; Ee-1; Ee1; Es-4; Es-N; Es1; Es4; EsN; PESN
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218942 representing NM_007954
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTGGCTCCATGCTCTGGTCTGGGCTTCTCTTGCTGTTGCCCAATTCTGGGACACTACTCTTACCAC
CTGTGGTGGACACCACACAAGGCAAAGTCTGGGGAAGTATATCAGCTTAGAAGGATTTGAACAGCCTGT
GGCCGTCTTCTGGGAGTCCCCTTTGCCAAGCCCCCTCTTGATCTCTGAGGTTTCTCCACCACAGCCT
GCAGAGCCCTGGAGCTTCGTGAAGAATGCCACCTCTACCCTCTATGTGCTCCAAGATGCAGGTTGGG
CAAAGATACTCTCAGATATGTTCCAGCACCGAAAAGGAGATCTGCCTCTCAAGATTTGGAAGACTGTCT
CTACCTGAATATTTACAGTCTGCCGATTTGACAAAAAGCAGCCAATTGCCTGTGATGGTGTGGATCCAT
GGAGGTGGACTGGTGATAGGCGGAGCATCACCTATAATGGACTAGCTCTCTGCCCATGAGAACGTGG
TGGTAGTAACCATCAATACCGCTGGTATTTGGGGATTATTTAGCACAGGTGATGAACACAGCCCAGG
AAACTGGGCTCACCTGGACCAACTGGCTGCACTACGCTGGGTCCAAGATAACATTGCAAACCTTTGGAGGG
AACCCGGATTCCGTGACCATCTTTGGAGAGTCATCAGGGGGTATCAGTGTCTCTGCTTGTCTTATCTC
CTCTGGGCAAGGACCTTCTCCACAGAGCCATTTCTGAGAGTGGTGTGGTCATAAATACAAACGTGGGCAA
GAAGAATATACAGGCTGTGAATGAAATAATAGCTACTCTTTCCAGTGAATGACACCTCATCAGCTGCC
ATGTTTCACTGCTTGGCCAGAAGACAGAGAGTGAGCTCTTGGAGATTTGAGGAAACTGGTACAGTACA
ATATCTCCCTGTCCACCATGATTGACGGAGTGGTGTGCCAAAGGCACCAGAAGAGATCTGGCTGAGAA
GAGTTTCAACACTGTCCCTACATAGTGGGCTTCAACAAGCAAGAGTTGGCTGGATAATTCCAATGATG
TTGCAAAATCTACTCCCTGAAGGCAAAATGAATGAGGAAACGGCCAGTCTTCTCTTGAGGAGGTTCCACT
CTGAACCTAACATCTCTGAAAGTATGATTCCAGCAGTCATTGAGCAGTACTTAAGAGGGGTAGATGACCC
TGCCAAAAAGAGTGAGCTTATCCTGGACATGTTTGGAGATATATTTTTTGGTATCCCGGCTGTGCTCTTG
TCCCGTAGCCTCAGAGATGCTGGAGTGTCCACCTACATGTATGAGTTTCGGTATCGCCCAAGCTTCTGTG
CTGACAAGAGACCCAGACGGTTGAGGGTGATCATGGCGATGAAATCTTCTTTGTATTGCGGGCTCCACT
ATTAAGAGGGTGCCTCAGAAGAGGAAACCAACCTCAGCAAGATGGTGTGAAATCTGGGCCAACTTT
GCTCGAAATGGGAACCCTAATGGGGAGGGGCTGCCTCACTGGCCAGAATATGATGAGCAGGAAGGGTATC
TACAGATTGGAGCCACTACCCAGCAAGCCAGAGACTGAAAGCAGAGGAAGTGGCTTTCTGGACTGAGCT
CCTGGCTAAGAATCCACCTGAGACAGACCCTACTGAACACACAGAACACAAATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_007954

Insert Size: 1665 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_007954.4](#), [NP_031980.2](#)

RefSeq Size: 1850 bp

RefSeq ORF: 1665 bp

Locus ID: 13884

UniProt ID: [P23953](#)

Cytogenetics: 8 44.99 cM

Gene Summary: Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Involved in the extracellular metabolism of lung surfactant.[UniProtKB/Swiss-Prot Function]