

Product datasheet for **MR224580**

Ces3a (NM_198672) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Ces3a
Synonyms:	Ces3; Ces3l; Es3l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR224580 representing NM_198672
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACAAATATGGAGACAACGGCACAAGCTGGGTCCAGTGTCCGAGTCTGGATGGCCTGTCTGCTCCTGA
 TATTTCTACCACTGTCTTGGACCCAAAGTCACTCAGCCTGAAAGTGGATACCCCCCTGGGTCGTGTTCCG
 AGGCCGGCAGGTGGGTGTGAAGGACACAGACCGCATGGTAAATGTCTTCTGGGCATCCCCCTTTGCTCAA
 GCACCACTGGGACCTCTTCGGTTCTCAGTCCACTCCACACAGCCCTGGGAAGGTGTGAGAGATGCCA
 GCATCAATCCCCAATGTGCCTTCAGGATGTAGAGAGAATGAGCAACAGCAGATTACCCCTCAATGAAAA
 GATGAAAAATCTCCCATTTCTGAGGACTGCCTGACCTCAACATCTACAGCCCACTGAGATCACTGCA
 GGGGACAAAAGGCCGTCATGGTATGGATCCACGGAGGCTCTCTGCTGGTTGGCTCTCCACATCTCATG
 ATGGATCAGCACTGGTGCCTATGGGATGTGGTAGTTGTCACTGTCCAGTATCGCCTTGGGATCTTTGG
 CTTCTCAGCACTGGAGACAAGCAGATGCCAGGCAACAGGGGATTCTGGATGTGGTGGCTGCTCTTCGC
 TGGGTCAGGGGAACATAGCCCCCTTTGGGGTGATCCCAACTGTGTCACTATCTTCGGTAACTCTGCTG
 GAGGCATTATTGTCTCATCCCTGCTCTGTCTCCAATGTCTGCTGGGCTCTTCCACAGAGCCATATCGCA
 GAGTGGGGTGTGCATCAGCAAGATTCTGGAAGACTTGAATGCATGGTCTGAAGCTCAGAACCTTGCCAAT
 TCTGTGGCTGTGGCTGTGCATCCCAAGCTGAGCTGGTCCAGTGTTCGTCGAGAAGGAAGGAAAGGACC
 TTATCAGGAAGAAAAACGTGAACATTTCTACACAGTCAATGACTCCTTCTCCCAAAAGGCCCCAGAA
 GCTCCTAGCAAAACAGCAATTTCCCACTGTGCCCTACCTCTGGGAGTCACCAACCATGAGTTTGGCTGG
 CTTCTACTCAAATCTGGAATATCTGGATAAGATGGAACATTTGAGCCAGGAAGACCTGTTGGAGAATT
 CAAGGCCCTTATTAGCCCATATGCAACTGCCCTGAGATCATGCCACCGTCATAGATGAATACCTAGA
 CAATGGCTCAGATGAATCAGCTACAAGGTATGCCCTCCAGGAATTGCTGGGTGATATCACATTGGTCATT
 CCTACCTTGATCTTCTCAAAATACCTTCAAGATGCTGGGTGCCCTGTTTCTTGTACGAGTTCACGATA
 CACCCAGTCTTTTGCAAAGTTCAAGCCAGCCTGGGTGAAGGCTGACCATTCTCTGAGAATGCCTTTGT
 TTTTGGAGTCTTTCTCACTGATGAGAGTTCCTCTGGCCTTCCAGAGGCCACAGAGGAAGAGAAG
 CAGCTGAGCCTGACCATGATGGCCCAATGGAGCCAGTTTGACGACACAGGAAATCCCAATGGCAAGGGGC
 TGCCTCCTTGCCCAATTAACCAAGTTAGAACAATACTTGGAGATTGGTCTAGAACCACGGAAGTGGGT
 GAAGCTAAAGAAGGGTCGGCTACAGTTCTGGACAGAGACACTGCCAAGAAAAATTCAAGAATGGCACCGA
 GAGCAGAGAAGCAGGAAGTTCAGAGGAGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR224580 representing NM_198672
 Red=Cloning site Green=Tags(s)

MTNMETTAQAGSSVRVWMAALLIFPTTVIGPKVTQPEVDTPLRVGRQVGVKDTDRMVNVFLGIPFAQ
 APLGPLRFSAPLPQPWEGVRDASINPPMCLQDVERMSNSRFTLNEKMKIFPISEDCLTLNIYSPTTEITA
 GDKRPVMVWIHGGSLLVGSSTSHDGSALAAAYGDVVVVTVQYRLGIFGLSTGDKHMPGNRGFLDVVAALR
 WVQGNIAFPGGDPNCVTIFGNSAGGIIVSSLLSPMSAGLFHRAISQSGVVISKILEDLNASEQNAN
 SVACGSASPAELVQCLLQKEGKDLITKKNVNI SYTVNDSFFPQRPQKLLANKQFPTVPYLLGVTNHEFGW
 LLLKFWNILDMEHLSQEDLLENSRPLL AHMQLPPEIMPTVIDEYLDNGSDESATRYALQELLGDITLVI
 PTLIFSKYLQDAGCPVFLYEFQHTPSSFAKFKPAWVKADHSSNAFVFGGPFLTDESSLLAFPEATEEEK
 QLSLTMAQWSQFARTGNPNKGKLPWPQLNQLEQYLEIGLEPRTGVKLLKGRLLQFWETLPRKIQEWHR
 EQRSRKVPEEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9071_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_198672

ORF Size: 1713 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:

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.

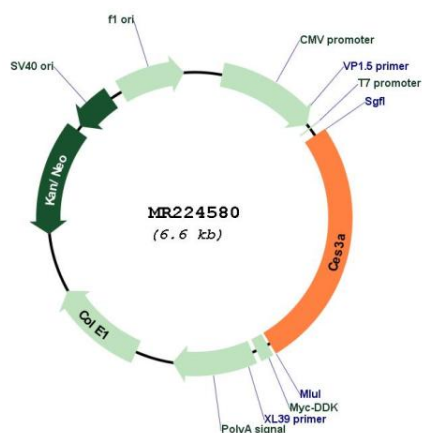
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_198672.1](#), [NP_941074.1](#)

RefSeq Size: 2049 bp

RefSeq ORF:	1716 bp
Locus ID:	382053
UniProt ID:	Q63880
Cytogenetics:	8 D3
MW:	63.3 kDa
Gene Summary:	Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR224580