

Product datasheet for **RN216907**

Ces2e (NM_001100477) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces2e (NM_001100477) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ces2e
Synonyms:	Ces5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN216907 representing NM_001100477
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCACTGAAAAGTCTTCTGGCTGGCTGAATGCTGTGGTCTGGGGCTCTGCTTCTTCTGCCAAG
 TGCAGGGCCAGGACTCAGCCAGCCCATCAGAAACACGCACACGGTCAAGTGAGAGGCAGTTTTGTCCA
 TGTGAAGGACACTAAATCTGGTGTCCACACCTTCTGGGAATTCCTTTGCCAAGCCTCCTATAGGACCG
 CTGCGCTTTGCACCTCCTGAGCCACCTGAGCCATGGAGTGGTGTGAGAGATGGGACATCCCACCCTGCCA
 TGTGTCTACAGAATATCGATGGACTGAATCTAGAAAATCTGAAAATTAAGATGAGCAGGTCTCTGTCTC
 TATGTCTGAAGACTGCCTATACCTCAGCATCTACACACCAGCCACACCCATAAGGACTCTAATCTGCCT
 GTGATGGTATGGATCCATGGAGTGGGCTATGTTGGGCATGGCTCCACGTATGATGGATCTATGCTGG
 CAGCCATTGAGGATGTGGTGGTGGTCACTATCCAGTACCGCTAGGTATCCTGGGCTTCTCAGCACTGG
 AGATGAACATGCCAGAGGCAACTGGGGATACCTAGACCAAGTGGCTGCCCTACGGTGGTCCAGCAGAAC
 ATCGTCCACTTTGGAGGCAACCTGACCGGGTCACTATTTTTGGAGAGTCAAGCAGGTGGCATAAGTGTGT
 CTTACATGTTGTGTCCCCATGTCCCAAGGGCTCTCCATGGTCCATCATGGAGAGTGGAGTGGCACT
 ACTACCTAACCTTATCTCCAACCTCTGAGGTGATCTACACAATGGTAGCCAACCTATCTGGATGTGAG
 CCTGTGGATTGAGAGGCTTGTGAGCTGCCTACGAGAGAAGAGTGAAGAGGAAATGCTGGCTATTAACA
 ATATCGTCAGGACCATCTCTGGTGTGGTGTAGATGGGAAGTCTTACCCAGGCACCCCTTGGAGTGTGGC
 CTCTGTGGATTTTCAACCTGTCCCAGCATCATTGGTATCAATAGTGTGAATATGGTTGGATAATTCCC
 ATGCTCCACCTGATAGCACCATGAAGGAAATAAACAGAGAGACCATGCGGGCTGTTCTGAAGAACACAG
 CAGTACAGATGATGCTGCCTCCTGAGTGTAGTGTGTTGTTGATGGAAGAGTACATGGGGACACTGAGGA
 TTCCAAGACTCTCCAAATACAGTTCAATGAGATGATGGGGGACTTCATATTTGTGATTCCTGCTCTTCAA
 GTAGCACACTTTAGCGTTCCTCATGCTCCTGTCTATTTTTATGAGTTCAGCATCAGTCCAACCTCCTGA
 AGGATATCAGGCCACCTCATGTGAAGGCTGACCATGGTGTGAGCTTCTTATGTGATTGGATACTATT
 CTGGGACATGAAATTTGTCTTCACTGAGGAGGAGAAGCTGCTAAGCAGGAAGATGATAAAGTACTGGGCC
 AATTTTGCACGTACGGGAATCCAACAGTGGGGTCTACCCTACTGGCCTGCATTGGACCATGATGAGC
 AGTACCTGCAGCTGGACATCCAGCCTGTTGTGGCCGAGCCCTGAAGGCCAGAAGGCTGAAATCTGGAC
 CAAGACTCTGCCCAAGAAGATCCAAGAGCTAAAGGGTTCTCAGGACAATCACACAGAGCTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001100477
- Insert Size:** 1674 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001100477.1](#), [NP_001093947.1](#)

RefSeq Size: 2236 bp

RefSeq ORF: 1674 bp

Locus ID: 192257

Cytogenetics: 19p14

Gene Summary: hydrolyzes retinyl esters to retinol; regulates the supply of retinoids, a major endogenous storage source of vitamin A, to all tissues [RGD, Feb 2006]