

## Product datasheet for **RN202385**

### **Ces1e (NM\_031565) Rat Untagged Clone**

#### **Product data:**

|                           |                                      |
|---------------------------|--------------------------------------|
| Product Type:             | Expression Plasmids                  |
| Product Name:             | Ces1e (NM_031565) Rat Untagged Clone |
| Tag:                      | Tag Free                             |
| Symbol:                   | Ces1e                                |
| Synonyms:                 | Ces1; Es22                           |
| Mammalian Cell Selection: | Neomycin                             |
| Vector:                   | pCMV6-Entry (PS100001)               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                 |



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**Fully Sequenced ORF:** >RN202385 representing NM\_031565  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGC**C

ATGTGCCTCTATGCTCTGATCCTGGTGTTCCTTGCAGCATTACAGCAGGGGGACACCCATCGTCACTAC  
 CCGTAGTGGACACCCTGCAAGGCAAAGTCTCGGGAAGTACGTCAGCTTAGAAGGATTACACAGCCTGT  
 GGCCGTCTTCCTGGGAGTCCCTTTGCCAAGCCCCCTCTCGGATCTCTGAGGTTTCTCCACCACAGCCT  
 GCAGAGCCCTGGAGCTTCGTAAGAACACCACCTCTACCCTCTATGTGCTCCCAAGACCCCGTGGCAG  
 GGCAAATAGTCAATGACCTTCTAACTAACCAGGGAAGAGAATTTCTCTCCAGTTTTCTGAAGACTGTCT  
 CTACCTAAATATTTACACGCCTGCTGACTTGACAAAACGTGATAGACTGCCGGTGGTGTGGATCCAT  
 GGAGGTGGACTAGTGTTAGGTGGGCATCCACCTATGATGGACTAGCCCTGTCTACTCATGAAAATGTGG  
 TGGTAGTGGTCATTCAATACCGTCTGGTATTTGGGGATTCTTCAGCACAGGGGATGAACACAGCCGGGG  
 CAACTGGGGTCACTTGGACCAGGTGGCTGCACTGCACTGGGTCCAGGACAACATTGACAACCTTTGGAGGG  
 GACCCAGGCTCTGTGACCATCTTTGGAGAGTCAGCAGGAGGTGAAAGTGTCTCTGTTCTTGTGTTGTCTC  
 CCTTGGCCAAGAATCTCTTTACAAGGCCATTTCCGAAAGTGGCGTGGCCCTCACTGCAGGCCTGGTCAA  
 GAAGAACACCAGGCCCTTGGCTGAGAAAATTGCTGTTGTATCTGGTTGTAAAAGCACAATTCAGCTGCC  
 ATGGTTCACTGCCTTCGCCAGAAGACAGAGGAAGAGCTCTGGAGACCACACTAAAATTGAATCTTTTTT  
 CGCTGGATTTGCACGGAGACTCCAGGCAGAGCTATCCGTTTGTCCCACTGTGCTTGATGGAGTGGTGTCT  
 GCCAAAGATGCCTGAGGAGATCCTGGCTGAGAAGGACTTCAACACTGTGCCCTACATCGTGGGAATCAAC  
 AAGCAAGAGTTTGGCTGGATTCTGCCAACAATGATGAACATCCACCCTCTGATATGAAATTGGACCCGA  
 TGACAGCCACATCGCTCTTGAAGAAGTCTCTTTCTTCTTAACCTTCTGAAGAAGCAATTCAGTGGC  
 CGTTGAGAAGTATTTAAGACACACAGATGACCCAGACAGAAATAAGACCAACTTCTGGAATTGATTGGG  
 GATGTGATCTTCGGTGTCCCATCAGTGATTGTCTCCCGTGGACATAGAGATGCTGGAGCCCGCACATACA  
 TGTACGAGTTTCAATATCGCCCAAGCTTCTCATCAAAAATGAAACCAAGTACGGTGGTAGGAGATCATGG  
 AGACGAAATCTACTCTGTCTTTGGTGCTCAATTTTAAGAGGTGGTACCTCAAAAGAGGAGATCAATCTC  
 AGCAAGATGATGATGAAATCTGGGCAAACTTTGCTAGGAATGGGAATCCCAATGGACAGGGCCTGCCCC  
 ATTGGCCAGAGTATGACCAAAAGGAAGTTATCTTCAGATTGGAGCCACCACTCAACAAGCCAGAAAGCT  
 AAAAGAAAAGAAGTGGCTTTCTGGTCTGAGCTTCTGGCTATGAAGCCACTGCATGCAGGACACACTGAG  
 CTATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031565

**Insert Size:** 1686 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).

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reconstitution Method: | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| RefSeq:                | <u>NM_031565.2</u> , <u>NP_113753.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq Size:           | 2062 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| RefSeq ORF:            | 1686 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Locus ID:              | 29225                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Cytogenetics:          | 19p11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Gene Summary:          | enzyme that hydrolyzes long-chain fatty acids; necessary for cholesterol esterification; may be important for detoxification of certain drugs [RGD, Feb 2006]                                                                                                                                                                                                                                                                                                                                                     |