

## Product datasheet for **MC205503**

### Ces1d (NM\_053200) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Ces1d (NM_053200) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ces1d
Synonyms:	Ces3; TGH
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC019198  
 CCACGCGTCCGCCACGCGTCCGCTTCAGAGACCCACAGAGCCCTTGTCTTCCACAATGGGCCTTACC  
 CTCTGATATGGCTTTCTCTTGGTGCAGCTTGGGGTACCCATCCTCACCACCTGTGGTGAACAC  
 TGTTAAAGGCAAAGTCTGGGGAAGTATGTCAATTTGGAAGGATCACACAGCCTGTGGCTGTTTCTG  
 GGAGTCCCCTTTGCCAAGCCCCCTTGGCTCCTGAGATTTGCTCCACCACAGCCTGCAGAGCCCTGGA  
 GCTTCGTGAAGAACACCACCTCTACCCGCCTATGTGCTCTCAGGATGCTGTTGGAGGGCAGGTGCTCTC  
 AGAGCTCTTACCACAGGAAGGAGAACATTCCTTTACAGTTTTCTGAAGACTGCCTCTACCTGAATATT  
 TACACTCCTGCTGACTTGACAAAGAACAGCAGACTACCAGTGATGGTGTGGATCCATGGAGGTGGACTGG  
 TGGTGGGCGGAGCATCCACCTATGATGGACTGGCCCTCTCTGCCATGAAAATGTGGTGGTGGTACCAT  
 TCAGTATCGCCTTGGCATCTGGGGATTCTCAGCACTGGGGATGAACACAGTCGGGGAACTGGGGTAC  
 TTGGACCAGTGGCTGCACTACGCTGGTCCAGGACAACATTGCCAATTTGGGGCAACCCAGGCTCGG  
 TGACCATCTTTGGAGAGTCAGCAGGAGTTTCAGTGTCTCTGTTCTTGTCTTGTCTCCTTTGGCCAAGAA  
 CCTTTCCACAGGGCCATTTCTGAGAGTGGTGTGCCCTACTGCTGCTGATTACAACAGATGTAAG  
 CCCATTGCTGGTCTGGTGTACTCTTTCTGGGTGAAAACCTACCACATCAGCTGTTATGGTTCATTGCC  
 TGGCCAGAAGACAGAGGATGAACTACTGGAGACCTCACTAAAATGAATCTTTTAAACTGGACTTACT  
 TGGAAATCCAAAAGAGAGCTATCCCTCCCTACTGTGATTGATGGAGTAGTTCTGCCAAGGCCACCA  
 GAAGAGATCCTGGCTGAGAAGAGTTTCAGCACTGTCCCCTACATAGTGGGCATCAACAAGCAAGATTTG  
 GCTGGATCATTCCAACGCTTATGGGCTATCCACTCGCTGAAGGCAAACTGGACCAGAAGACGCCAATTC  
 TCTCTTGGAAGTCTACCCAACACTTAAAATCTCTGAGAATATGATCCAGTGGTTCGCTGAGAAGTAT  
 TTAGGAGGGACAGATGACCTCACAAAAGAAAGACCTGTTCCAGGACTGATGGCTGATGGTATTTG  
 GTGTCCCATCAGTGATTGTCTCGAAGTCACAGAGATGCTGGAGCCTCCACCTATATGTATGAGTTTGA  
 GTATCGCCCAAGCTTTGTATCGCCATGAGACCAAGGCAGTAATAGGAGACCATGGTATGAGATCTTC  
 TCAGATTTGGATCTCCATTTTTAAAAGATGGTGCCTCAGAAGAGGAGACCAACCTCAGCAAGATGGTGA  
 TGAATTTGGGCAACTTTGCTCGAATGGGAACCCCAATGGTGGAGGGCTGCCCACTGGCCAGAATA  
 TGACCAGAAGGAAGGATCTGAAGATTGGTGCCTCAACTCAGGCAGCCAGAGGCTGAAGGACAAAAGAA  
 GTGAGTTTTGGGCTGAGCTCAGGGCCAAGGAGTCAGCCAGAGGCCATCCACAGGGAACATGTTGAGC  
 TCTGATCAGGAGGTCAGCTGTGCTTAAGAACCTGGAGTCAAAGGAGTATTATCCACAGAAGATTTTTG  
 TAGAAAAATAACACTTATCTTTGAAGCTATAACATTATATGGTATTTTATACAAATGCATTAAGAAAGGAA  
 ATATTTATCTCCTTCAACTTGAAAAATAAATAATGTTTTGAAAATCAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_053200

**Insert Size:** 1698 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:**

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: [BC019198](#), [AAH19198](#)

RefSeq Size: 1953 bp

RefSeq ORF: 1698 bp

Locus ID: 104158

UniProt ID: [Q8VCT4](#)

Cytogenetics: 8 C5

**Gene Summary:** Major lipase in white adipose tissue. Involved in the metabolism of xenobiotics and of natural substrates. Hydrolyzes triacylglycerols and monoacylglycerols, with a preference for monoacylglycerols. The susceptibility of the substrate increases with decreasing acyl chain length of the fatty acid moiety. Catalyzes the synthesis of fatty acid ethyl esters.  
[UniProtKB/Swiss-Prot Function]