

Product datasheet for **MC201775**

Ces2c (NM_145603) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces2c (NM_145603) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ces2c
Synonyms:	ACH M1; Ces; CES 2; Ces2; ces2A3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC031170 sequence for NM_145603
 GAAACTTGGTCATCTTAGCAGCACAGACTTAGGACTGAGAGCTGATCATGACACGGAAACCAACTACATAA
 CTGGCTGAATGCTGGGTTCTTCGGGCTGCTGCTTCTTCTTATCCATGTGCAGGGTCAGGACTCACCAGAG
 GCCAACCCCATCAGAAACACACATACAGGACAGATCCAAGGCAGCCTTATCCACGTGAAGGACACTAAAG
 CTGGTGTCCACACCTTCTGGGAATCCCCTTTGCCAACTCCTGTAGGACCACTGCGATTTGCACCTCC
 TGAGGCCCTGAACCATGGAGTGGTGTGAGAGATGGAAGTGCACATCCGGCCATGTGTCTGCAAAATCTT
 GACATGCTGAATGAAGCAGGCCCTGCCAGATATGAAAATGATGCTGTCTTCCCTTATGTCTGAGGACT
 GCCTGTATCTCAACATCTACACCCAGCCCATGCCATGAGGGCTCTAACCTGCCTGTGATGGTGTGGAT
 CCATGGAGGTGCACTGGTTATAGGAATGGCTTCCATGTTTGTATGGATCTCTATTGACAGTCAATGAGGAC
 TTGGTGGTTGTTACTATCCAGTATCGTCTGGGTCTCTGGGCTTTTTTCAGCACTGGAGACCAGCATGCCA
 GAGGCAACTGGGATACCTGGACCAAGCAGCTGCCCTACGCTGGGTCCAGCAGAACATCGCTCACTTTGG
 AGGCAACCCTGACCGGTCACTATTTTTGGCGAGTCTGCAGGTGGCACAAGTGTGTCTTCCATGTTGTG
 TCCCCATGTCCAAGGGCTCTCCATGGTCCATCATGGAGAGTGGGTGGCCCTGCTTCTGACCTTA
 TCTCTGAAACCTCTGAGATGGTTTCCACTACGGTGGCCAAGCTTCTGGATGTGAGGCTATGGATCCCA
 GGCCCTGGTGCCTGTCTGAGAGGCAAAAGTGAAGCAGAGATTCTGGCTATTAACAAGGTCTTCAAGATG
 ATCCCTGCTGTGGTGGATGGGGAGTTCTCCCCAGGCATCCCAAAGAGTTGTTGGCATCTGAGGATTTTC
 ACCTGTCCCCAGCATCATTGGTGTCAACAATGATGAGTTTGGCTGGTCCATTCTGTGGTCTATGGGCTC
 TGCTCAGATGATAAAAGGAATAACCAGAGAGAACCTGCAGGCTGTCTGAAGGATACAGCAGTACAAATG
 ATGCTGCCTCCTGAGTGTAGTGACCTGTAATGGAAGAGTACATGGGGGACACTGAGGATGCCAGACCC
 TCCAAATACAGTTCACAGAGATGATGGGAGATTCATGTTTGTATCCCTGCACTCCAAGTAGCACATTT
 TCAACGCTCCCATGCCCTGTCTACTTCTATGAGTTCCAACATCCACCCAGCTACTTCAAGGATGTCAGA
 CCACCCACGTGAAGGCTGACCATGCTGATGAGATTCCTTTTGTCTTTGCGTCTTCTTCTGGGGCATGA
 AACTTGACTTCACTGAGGAGGAGGAGCTGCTGAGCAGGAGGATGATGAAGTACTGGGCCAACTTTGCACG
 ACATGGGAACCCCAACAGTGAGGGTCTACCTACTGGCCTGTGATGGACCATGATGAGCAGTACCTGCAA
 CTGGACATCCAGCCTGCTGTGGTGCAGCCCTGAAGGCTGGAAGGCTGCAGTTCTGGACCAAGACTCTGC
 CCCAGAAGATCCAGGAGCTAAAGGCTTCTCAGGACAAGCACAGGGAGCTTTAGTACCCTGTATCAAAAAA
 AATGTGTTTGGGGTTTAAAGTCAATAGCGCTACAAATTCATTTATTTATTTTTATTTGTTCCAACACTT
 ACATAAGCATCTGTACCTCAGTCTTTGAGCTTTCATGTATGAAAAATACTCTGTATTACTTATCATTCT
 GGCCAACTTTCATTAATTAATAAATCTCAAATAACACTGTGGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_145603

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:

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: [BC031170](#), [AAH31170](#)

RefSeq Size: 1974 bp

RefSeq ORF: 1686 bp

Locus ID: 234671

UniProt ID: [Q91WG0](#)

Cytogenetics: 8 D3

Gene Summary: This gene encodes a member of the carboxylesterase large family. The family members are responsible for the hydrolysis or transesterification of various xenobiotics, such as cocaine and heroin, and endogenous substrates with ester, thioester, or amide bonds. They may participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. The protein encoded by this gene is the major intestinal enzyme and functions in intestine drug clearance. The transcription of this gene is regulated by several factors including HNF-4alpha (hepatocyte nuclear factor-4alpha), Sp1 (specificity protein 1), Sp3 and USF1 (upstream stimulatory factor 1). The expression and activity of this gene is age-related but independent of growth hormone level. This gene is clustered with several family members including a few of pseudogenes and Ces5 on chromosome 8.[provided by RefSeq, Jun 2010]