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Product datasheet for MC203138

Ces1g (NM_021456) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ces1g (NM_021456) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ces1g
Synonyms:	CEH; Ces; Ces-; Ces-1; Ces1; Ses; Ses-1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>BC026897
ACCTCACTAGACCCCAGAGCTGCTATTCTTCCATGATGTGGCTCTGTGCTTTGAGTCTGATCTCTCTCAC
TGCTTGCTTGAGTCTGGGACACCCATCCTTACCGCCTGTGGTACACACCGTTCATGGCAAAGTCCTGGGG
AAGTATGTCACCTTAGAAGGATTCTCACAGCCTGTGGCCGTCTTCCTGGGAGTCCCCTTTGCCAAGCCCC
CTCTTGGATCTCTGAGGTTTGCTCCACCAGAGCCTGCAGAGCCCTGGAGCTTCGTGAAGCACACCACTTC
CTACCCTCCTTTGTGCTACCAAAACCCAGAGGCAGCATTGAGGCTCGCTGAGCTCTTCACCAACCAAAGG
AAGATCATTCCCCACAAATTTTCTGAGGACTGTCTCTACCTCAACATTTATACTCCTGCTGACTTAACAC
AGAACAGCAGGTTGCCCGTGATGGTGTGGATACATGGAGGTGGACTTGTGATAGATGGAGCATCAACCTA
TGATGGAGTGCCCCTCGCTGTCCATGAAAATGTGGTTGTAGTGGTCATTCAGTATCGCCTGGGCATCTGG
GGATTCTTCAGCACAGAGGATGAACACAGCCGGGGGAACTGGGGTCACTTGGACCAGGTGGCTGCACTAC
ATTGGGTCCAAGACAACATTGCCAACTTTGGGGGCAACCCAGGATCTGTGACTATCTTCGGCGAGTCAGC
AGGAGGTGAAAGTGTCTCTGTTCTTGTGTTAAGCCCACTGGCCAAGAACCTCTTCCACAGGGCCATCGCT
CAGAGTAGTGTCATTTTCAATCCTTGCCTTTTTGGGAGAGCTGCCAGACCCTTGGCTAAGAAAATTGCTG
CTCTTGCTGGCTGTAAAACCACCACCTCCGCTGCCATGGTTCACTGCCTGCGCCAGAAGACTGAAGATGA
GCTCTTGGAGGTCTCACTGAAAATGAAATTTGGGACTGTTGATTTTCTTGGAGACCCCAGAGAGAGCTAT
CCCTTCCTCCCTACTGTGATTGATGGAGTGTTGCTGCCAAAGGCACCAGAAGAGATTCTGGCTGAGAAGA
GTTTCAACACTGTCCCCTACATGGTGGGCATCAACAAGCATGAGTTTGGCTGGATCATTCCAATGTTTTT
GGACTTCCCACTCTCTGAAAGAAAACTGGACCAGAAGACAGCTGCATCCATCCTGTGGCAGGCCTACCCA
ATTCTTAACATCTCTGAAAAGCTGATTCCAGCAGCTATTGAAAAGTATTTAGGAGGGACAGAAGACCCTG
CCACAATGACAGACCTGTTCCTGGACTTGATTGGAGACATTATGTTCGGTGTCCCATCTGTAATCGTGTC
CCGTAGTCACAGAGATGCTGGAGCCCCAACCTACATGTATGAATATCAGTATCGCCCAAGTTTTGTATCA
GACGATAGACCCCAGGAATTGTTAGGAGACCACGCTGATGAACTCTTTTCTGTATGGGGAGCCCCGTTTT
TAAAAGAGGGTGCTTCAGAAGAAGAGATCAACCTCAGCAAGATGGTGATGAAATTCTGGGCCAACTTTGC
TCGGAATGGGAACCCTAATGGTGAAGGGCTGCCTCATTGGCCAGAATATGACCAGAAGGAAGGATACCTT
CAGATTGGAGTCCCAGCACAGGCAGCCCATAGGCTGAAAGACAAGGAAGTGGACTTTTGGACTGAGCTCA
GAGCCAAGGAAACAGCAGAGAGGTCATCCCATAGGGAACATGTTGAACTGTGATCAGGAGGCCCAGTCAT
GTTTGAGAGTCTGGAGCTAAGAAAAGGGTGACTTTTTGTCAGATATTGTTTCCAAAATCAATCGTCTGAC
ACCAGTGGGACACAATAGGGAGAAACATTTGATTTTATGCTTTCAAATTTTTGGTTTTTGTTATTTGGTT
ACCTGTGTAGTCCTGGCTTTCCTGGAACTCACTCTGTAGACCAGGCTAGGATTGAAATCAGAGACCCACC
TGCCTCTGCCTCCCAAGTTCTGGGATTAAAGACATGTGACACAACTGACTGGCCATATGCTTTCAATTTT
TAATGACATCACAAATACATTCCCTTAGAAATCAAACCAGAGTCTCTGTCTTTGGCTCAAAATGGATCTA
TATACATTAGTGTACTAATAATGTTTTTGTACACTGTATAAAGTTTACCCTTGTGTTATTCAAATGCTCA
TTTCTCTTCTTTTGTGTCTTGTTTCATTCTGAACATGGCATTGTAATGCTTATATAAAGTATCTCCTGTC
TCACAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_021456

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).

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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:	BC026897, AAH26897
RefSeq Size:	2259 bp
RefSeq ORF:	1698 bp
Locus ID:	12623
UniProt ID:	Q8VCC2
Cytogenetics:	8 45.29 cM
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. This enzyme is the major liver enzyme and functions in liver drug clearance. The expression and activity of this gene is age-related but independent of growth hormone level. This gene is clustered with Ces7 and Ces3 on chromosome 8. [provided by RefSeq, Jun 2010]

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