

Product datasheet for **SC305193**

CES3 (NM_024922) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CES3 (NM_024922) Human Untagged Clone
Tag:	Tag Free
Symbol:	CES3
Synonyms:	ES31
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024922 edited
 GTGCTGAAGGGCAGGGATCTTATTCCACCTTCTGAAGCTTCTGTGCGAACCCAGTTGTAAGG
 AGAATGGAGAGAGCAGTGAGAGTGGAGTCCGGGGTCTGGTGGGGTGGTCTGTCTGCTC
 CTGGCATGCCCTGCCACAGCCACTGGGCCCGAAGTTGCTCAGCCTGAAGTAGACACCACC
 CTGGGTCGTGTGCGAGGCCGGCAGGTGGGCGTGAAGGGCACAGACCGCCTTGTGAATGTC
 TTTCTGGGCATTCCATTTGCCAGCCGCACTGGGCCCTGACCGGTTCTCAGCCCCACAC
 CCAGCACAGCCCTGGGAGGGTGTGCGGGATGCCAGCACTGCGCCCCCAATGTGCCTACAA
 GACGTGGAGAGCATGAACAGCAGCAGATTGTCTCAACGGAAAACAGCAGATCTTCTCC
 GTTTCAGAGGACTGCCTGGTCTCAACGCTATAGCCAGCTGAGGTCCCCGAGGGTCC
 GGTAGGCCGGTATGGTATGGGTCCATGGAGGCGCTGTATAACTGGCGTGCCACCTCC
 TACGATGGATCAGCTCTGGCTGCCTATGGGGATGTGGTGTGGTTACAGTCCAGTACCGC
 CTTGGGGTCTTGGCTTCTTCCAGCACTGGAGATGAGCATGCACCTGGCAACCAGGGCTTC
 CTAGATGTGGTAGCTGCTTTCGCTGGGTGCAAGAAAACATCGCCCCCTTCGGGGGTGAC
 CTCAACTGTGTCCTGTCTTGGTGGATCTGCCGGTGGGAGCATCATCTCTGGCCTGGTC
 CTGTCCCCAGTGGCTGCAGGGCTGTTCCACAGAGCCATCACACAGAGTGGGGTCACTACC
 ACCCCAGGGATCATCGACTCTCACCTTGGCCCCTAGCTCAGAAAATCGCAAACACCTTG
 GCCTGCAGCTCCAGCTCCCCGGCTGAGATGGTGCAGTGCCTTCAGCAGAAAAGAAGGAGAA
 GAGCTGGTCTTAGCAAGAAGCTGAAAAATACTATCTATCCTCTCACCGTTGATGGCACT
 GTCTTCCCCAAAAGCCCCAAGGAACCTCTGAAGGAGAAGCCCTTCCACTCTGTGCCCTTC
 CTCATGGGTGTCAACAACCATGAGTTACAGTGGCTCATCCCCAGGGGCTGGGGTCTCCTG
 GATACAATGGAGCAGATGAGCCGGGAGGACATGCTGGCCATCTCAACACCCGTCTTGACC
 AGTCTGGATGTGCCCCCTGAGATGATGCCACCCTCATAGATGAATACCTAGGAAGCAAC
 TCGGAGCCACAAGCCAAATGCCAGGCGTCCAGGAATTCATGGGTGACGTATTCATCAAT
 GTTCCCACCGTCAAGTTTTTCAAGATACCTTCGAGATTCTGGAAGCCCTGTCTTTTTCTAT
 GAGTTCAGCATCGACCCAGTCTTTTTGCGAAGATCAAACCTGCCTGGGTGAAGGCTGAT
 CATGGGGCCGAGGGTGTCTTTGTGTTTCGGAGGTCCTTCTCATGGACGAGAGTCCCGC
 CTGGCCTTTCCAGAGGCCACAGAGGAGGAGAAGCAGCTAAGCCTCACCATGATGGCCAG
 TGGACCCACTTTGCCCGGACAGGGGACCCCAATAGCAAGGCTCTGCCTCCTTGGCCCCAA
 TTCAACCAGGCGGAACAATATCTGGAGATCAACCCAGTGCACGGGCCGGACAGAAGTTC
 AGGGAGGCTGGATGCAGTTCTGGTCCAGAGACGCTCCCCAGCAAGATACAACAGTGGCAC
 CAGAAGCAGAAGAACAGGAAGGCCAGGAGGACCTCTGAGGCCAGGCCTGAACCTTCTTG
 GCTGGGGCAAACCACTCTCAAGTGGTGGCAGAGTCCCAGCACGGCAGCCCGCCTCTCCC
 CCTGCTGAGACTTAAATCTCCACCAGCCCTTAAAGTGTGCGGCCGCTCTGTGACTGGAGTT
 ATGCTCTTTTGAATGTCAAGGCCGCTCCACCTCTGGGGCATTGTACAAGTTCTTC
 CCTCTCCCTGAAGTGCCTTCTCTGCTTCTTCTGTGGTAGGTTCTAGCACATTCCTCTAGC
 TTCCTGGAGGACTCACTCCCCAGGAAGCCTTCCCTGCCTTCTCTGGGCTGTGCGGCCCC
 GAGTCTGCGTCCATTAGAGCACAGTCCACCCGAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_024922

Insert Size: 2100 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: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_024922.3.

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">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:	<u>NM_024922.3</u> , <u>NP_079198.2</u>
RefSeq Size:	3906 bp
RefSeq ORF:	1716 bp
Locus ID:	23491
UniProt ID:	<u>Q6UWW8</u>
Cytogenetics:	16q22.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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 gene is expressed in several tissues, particularly in colon, trachea and in brain, and the protein participates in colon and neural drug metabolism. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported, but the biological validity and/or full-length nature of some variants have not been determined. [provided by RefSeq, Jun 2010]</p> <p>Transcript Variant: This variant (1) is the longest transcript and encodes the longest isoform (1, also known as isoform a).</p>