

## Product datasheet for **SC202444**

### Liver Carboxylesterase 1 (CES1) (NM\_001025194) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	Liver Carboxylesterase 1 (CES1) (NM_001025194) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CES1
Synonyms:	ACAT; CE-1; CEH; CES2; hCE-1; HMSE; HMSE1; PCE-1; REH; SES1; TGH
ACCN:	NM_001025194
Insert Size:	228 bp
Insert Sequence:	>SC202444 3'UTR clone of NM_001025194 The sequence shown below is from the reference sequence of NM_001025194. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site  GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC CCACCCAGACAGAACACATAGAGCTGTGAATGAAGATCCAGCCGGCCTTGGGAGCCTGGAGGAGCAAA GACTGGGGTCTTTTGCAGAAAGGGATTGCAGGTTCCAGAAGGCATCTTACCATGGCTGGGGAATTGTCTGG TGGTGGGGGGCAGGGGACAGAGGCCATGAAGGAGCAAGTTTTGTATTTGTGACCTCAGCTTTGGGAATA AAGGATCTTTTGAAGCCAAA <b>ACGCGT</b> AAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u><a href="#">NM_001025194.2</a></u>



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**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. Mutations of this gene cause carboxylesterase 1 deficiency. Three transcript variants encoding three different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

**Locus ID:** 1066

**MW:** 8.5