

Product datasheet for SC205470

Carboxylesterase 7 (CES5A) (NM_145024) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Carboxylesterase 7 (CES5A) (NM_145024) Human 3' UTR Clone
Symbol:	Carboxylesterase 7
Synonyms:	CAUXIN; CES4C1; CES5; CES7; HEL126
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_145024
Insert Size:	327 bp
Insert Sequence:	<p>>SC205470 3'UTR clone of NM_145024</p> <p>The sequence shown below is from the reference sequence of NM_145024. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p>

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC
CAGCCTTTCTTTTCTTTGTGCTCCTTGAAGTTATCTTTCTGTGATTTTGGTTTCCCTTCTCTCTCC
CATAATTTCTCCGCAATCATTAGCTTCTTTCTGAGCTCAGCTGCTTTCTATGGGATCCTTGCAAAAC
AAGCTGCTTTGCTGATATTTATGGACTTAGGAATGATCCTTACAGAATCTTTTCAACATCAAAAAG
TGCAATTTGTCTTGAAGGCAACAAGATTCTTCAATAAATTTGGAAGAGGGCTGGCCTATTAGTTGTC
ATAATAATGGTTTGTAACTCATATGAAATAAAATCAGAATGTAAATAGG
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
  
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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>NM_145024.3</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 also participate in fatty acyl and cholesterol ester metabolism, and may play a role in the blood-brain barrier system. This gene, also called CES5, is predominantly expressed in peripheral tissues, including brain, kidney, lung and testis. It encodes a secreted enzyme. Because of high levels in the urine of male domestic cats, this enzyme is also called cauxin (carboxylesterase-like urinary excreted protein). The enzyme functions in regulating the production of a pheromone precursor and may contribute to lipid and cholesterol transfer processes within male reproductive fluids. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

Locus ID:

221223

MW:

13.1