

Product datasheet for **RC203009**

CES2 (NM_003869) Human Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | CES2 (NM_003869) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | CES2 |
| Synonyms: | CE-2; CES2A1; iCE; PCE-2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide Sequence:

>RC203009 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACTGCTCAGTCCCGCTCCTACCACACCCACCTTCCCGGCCAAGCCAGCGCACCCCGCTGACTC
 CCTGCCAGTCCAACTCCAAGGCTGGCAAGGCACTGATCCACTGCTGGACAGACCCGGGGCAGCCTCT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
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Protein Sequence:

>RC203009 protein sequence
 Red=Cloning site Green=Tags(s)

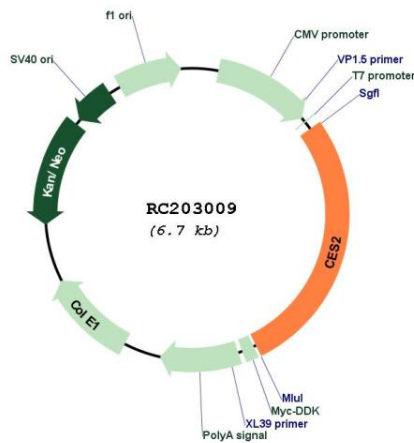
MTAQRSPTTPTFPGPSQRTPLTPCPVQTPRLGKALIHCVTPDGPQLGEQQRVRRQRTETSEPTMRLHRL
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 EPPESWSGVVDGTTTHPAMCLQDLTAVESEFLSQFNMTFSDSMSDEL YLSIYTPAHSHEGSNLPVMVWI
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 GNPDRVTIFGESAGGTSVSSLVSPISQGLFHGAIMESGVALLPGLIASSADVISTVVANLSACDQVDSE
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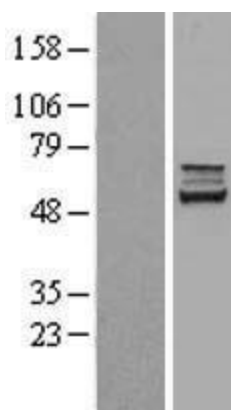
Locus ID: 8824
UniProt ID: [O00748](#)
Cytogenetics: 16q22.1
Domains: COesterase
Protein Families: Druggable Genome
Protein Pathways: Drug metabolism - other enzymes
MW: 68.9 kDa

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. Alternatively spliced transcript variants have been found for this gene.[provided by RefSeq, Oct 2010]

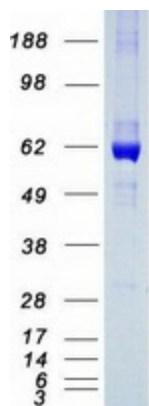
Product images:



Circular map for RC203009



Western blot validation of overexpression lysate (Cat# [LY401274]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC203009 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified CES2 protein (Cat# [TP303009]). The protein was produced from HEK293T cells transfected with CES2 cDNA clone (Cat# RC203009) using MegaTran 2.0 (Cat# [TT210002]).