

Recombinant Full Length Human CES2 Protein, GST-tagged

Cat. No. CES2-3263HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CES2 full-length ORF (NP_003860.2, 1 a.a. - 623 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	623 amino acids
Description	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]
Molecular Mass	95.3 kDa
AA Sequence	MTAQSRSPPTPTFPGPSQRTPLTPCPVQTPRLGKALHCWTDPGQPLGEQQRVRR QRTETSEPTMRLHRLRARLSAVACGLLLLLLVRGQGQDSASPIRTTHTGQVLGSLVHV KGANAGVQTF LGIPFAKPPLGPLRFAPPEPPESWSGV RDGTTHPAMCLQDLTAVES EFLSQFNMTFPSDSMS EDCLYLSIYTPAHSHEGSNLPVMVWIHGGALVFGMASLYD GSMLAALENVVVVIIQYRLGVLGFFSTGDKHATGNWGYLDQVAALRWVQQNIAHFG

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

GNPDRVITIFGESAGGTSVSSLVVSPISQGLFHGAIMESGVALLPGLIASSADVISTVVA
 NLSACDQVDSEALVGCLRGKSKEEILAINKPFKMIPGVVDGVFLPRHPQELLASADF
 QPVPSIVGVNNNEFGWLIPKVMRIYDTQKEMDREASQAALQKMLTLLMLPPTFGDLL
 REEYIGDNGDPQTLQAQFQEMMADSMFVIPALQVAHFQCSRAPVYFYEFQHQPSW
 LKNIRPPHMKADHGDELFPVFRSFFGGNYIKFTEEEEQLSRKMMKYWANFARNGNP
 NGEGLPHWPLFDQEEQYLQLNLQPAVGRALKAHRLQFWKKALPQKIQELEEPEERH
 TEL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

CES2 carboxylesterase 2 [Homo sapiens]

Official Symbol

CES2

Synonyms

CES2; carboxylesterase 2; carboxylesterase 2 (intestine, liver); cocaine esterase; CE 2; CES2A1; iCE; hCE-2; methylumbelliferyl-acetate deacetylase 2; intestinal carboxylesterase; liver carboxylesterase-2; CE-2; PCE-2;

Gene ID

8824

mRNA Refseq

NM_003869

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Protein Refseq	NP_003860
MIM	605278
UniProt ID	O00748

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