Recombinant Human CES2 Protein, GST-Tagged

Cat. No. CES2-1149H **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	Wheat Germ
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	MTAQSRSPTTPTFPGPSQRTPLTPCPVQTPRLGKALIHCWTDPGQPLGEQQRVRR QRTETSEPTMRLHRLRARLSAVACGLLLLLVRGQGQDSASPIRTTHTGQVLGSLVHV KGANAGVQTFLGIPFAKPPLGPLRFAPPEPPESWSGVRDGTTHPAMCLQDLTAVES EFLSQFNMTFPSDSMSEDCLYLSIYTPAHSHEGSNLPVMVWIHGGALVFGMASLYD GSMLAALENVVVVIIQYRLGVLGFFSTGDKHATGNWGYLDQVAALRWVQQNIAHFG GNPDRVTIFGESAGGTSVSSLVVSPISQGLFHGAIMESGVALLPGLIASSADVISTVVA

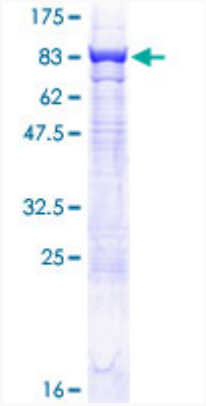
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	NLSACDQVDSEALVGCLRGKSKEEILAINKPFKMIPGVVDGVFLPRHPQELLASADF QPVPSIVGVNNNEFGWLIPKVMRIYDTQKEMDREASQAALQKMLTLLMLPPTFGDLL REEYIGDNGDPQTLQAQFQEMMADSMFVIPALQVAHFQCSRAPVYFYEFQHQPSW LKNIRPPHMKADHGDELPFVFRSFFGGNYIKFTEEEEQLSRKMMKYWANFARNGNP NGEGLPHWPLFDQEEQYLQLNLQPAVGRALKAHRLQFWKKALPQKIQELEEPEERH 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
Protein Refseq	NP_003860

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MIM	605278
UniProt ID	O00748
Quality Control Testing	 12.5% SDS-PAGE Stained with Coomassie Blue.

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