Recombinant Human CES2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CES2-4904H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CES2 MS Standard C13 and N15-labeled recombinant protein (NP_932327) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	66.9 kDa
AA Sequence	MTAQSRSPTTPTFPGPSQRTPLTPCPVQTPRLGKALIHCWTDPGQPLGEQQRVRR QRTETSEPTMRLHRLRARLSAVACGLLLLLVRGQGQDSASPIRTTHTGQVLGSLVHV KGANAGVQTFLGIPFAKPPLGPLRFAPPEPPESWSGVRDGTTHPAMCLQDLTAVES EFLSQFNMTFPSDSMSEDCLYLSIYTPAHSHEGSNLPVMVWIHGGALVFGMASLYD GSMLAALENVVVVIIQYRLGVLGFFSTGDKHATGNWGYLDQVAALRWVQQNIAHFG GNPDRVTIFGESAGGTSVSSLVVSPISQGLFHGAIMESGVALLPGLIASSADVISTVVA

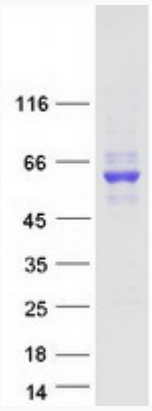
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	NLSACDQVDSEALVGCLRGKSKEEILAINKPFKMIPGVVDGVFLPRHPQELLASADF QPVPSIVGVNNNEFGWLIPKVMRIYDTQKEMDREASQAALQKMLTLLMLPPTFGDLL REEYIGDNGDPQTLQAQFQEMMADSMFVIPALQVAHFQCSRAPVYFYEFQHQPSW LKNIRPPHMKADHVKFTEEEEQLSRKMMKYWANFARNGNPNGEGLPHWPLFDQEE QYLQLNLQPAVGRALKAHRLQFWKKALPQKIQELEEPEERHTELTRTRPLEQKLISE EDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CES2 carboxylesterase 2 [Homo sapiens (human)]
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_198061

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Protein Refseq	NP_932327
MIM	605278
UniProt ID	O00748
SDS-PAGE	

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