

## Recombinant Human CES1 Protein, MYC/DDK-tagged

Cat. No. CES1-3200H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human CES1 protein, fused to MYC/DDK-tagged at C-terminus, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	<p>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. This enzyme is the major liver enzyme and functions in liver drug clearance. Mutations of this gene cause carboxylesterase 1 deficiency. Three transcript variants encoding three different isoforms have been found for this gene.</p>
<b>Form</b>	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	60.4 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method

### GENE INFORMATION

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<b>Gene Name</b>	CES1 carboxylesterase 1 [ Homo sapiens ]
<b>Official Symbol</b>	CES1
<b>Synonyms</b>	ACAT; CE-1; CEH; CES2; hCE-1; HMSE; HMSE1; PCE-1; REH; SES1; TGH
<b>Gene ID</b>	1066
<b>mRNA Refseq</b>	NM_001025194
<b>Protein Refseq</b>	NP_001020365
<b>UniProt ID</b>	P23141

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