

Recombinant Human CES1 293 Cell Lysate

Cat. No. CES1-7565HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for carboxylesterase 1 (monocyte/macrophage serine esterase 1) (CES1), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

[CES1 carboxylesterase 1 \[Homo sapiens \]](#)

Official Symbol

CES1

Synonyms

CES1; carboxylesterase 1; carboxylesterase 1 (monocyte/macrophage serine esterase 1); liver carboxylesterase 1; CEH; CES1A1; CES1A2; CES2; HMSE; HMSE1; human monocyte/macrophage serine esterase 1; SES1; egasyn; serine esterase 1; retinyl ester hydrolase; cocaine carboxylesterase; triacylglycerol hydrolase; carboxylesterase 2 (liver); brain carboxylesterase hBr1; cholesteryl ester hydrolase; monocyte/macrophage serine esterase; methylumbelliferyl-acetate deacetylase 1; acyl coenzyme A:cholesterol acyltransferase; acyl-coenzyme A:cholesterol acyltransferase; REH; TGH; ACAT; PCE-1; MGC117365;

Gene ID

[1066](#)

mRNA Refseq

[NM_001025194](#)

Protein Refseq

[NP_001020365](#)

UniProt ID

[P23141](#)

Chromosome Location

16q22.2

Pathway

Drug metabolism - other enzymes, organism-specific biosystem; Drug metabolism -

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other enzymes, conserved biosystem; E2F transcription factor network, organism-specific biosystem; Fluoropyrimidine Activity, organism-specific biosystem; Irinotecan Pathway, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; retinol biosynthesis, conserved biosystem;

Function

carboxylesterase activity; hydrolase activity; methyl indole-3-acetate esterase activity; methyl jasmonate esterase activity; methyl salicylate esterase activity; methylumbelliferyl-acetate deacetylase activity; retinyl-palmitate esterase activity;

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