

## Recombinant Human CES3 cell lysate

Cat. No. CES3-636HCL Lot. No. (See product label)

### SPECIFICATION

**Species**

Human

**Description**

Carboxylesterase 3 is a member of a large multigene family. The enzymes encoded by these genes are responsible for the hydrolysis of ester- and amide-bond-containing drugs such as cocaine and heroin. They also hydrolyze long-chain fatty acid esters and thioesters. The specific function of this enzyme has not yet been determined; however, it is speculated that carboxylesterases may play a role in lipid metabolism and/or the blood-brain barrier system.

**Size**

100 ul

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Applications**

Western Blot;

### GENE INFORMATION

**Gene Name**

CES3 carboxylesterase 3 [ Homo sapiens ]

**Official Symbol**

CES3

**Synonyms**

CES3; carboxylesterase 3; carboxylesterase 3 (brain); brain carboxylesterase BR3; ES31; esterase 31; FLJ21736; liver carboxylesterase 31 homolog;

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<b>Gene ID</b>	23491
<b>mRNA Refseq</b>	NM_001185176
<b>Protein Refseq</b>	NP_001172105
<b>MIM</b>	605279
<b>UniProt ID</b>	Q6UWW8
<b>Chromosome Location</b>	16q22.1
<b>Pathway</b>	E2F transcription factor network, organism-specific biosystem;
<b>Function</b>	carboxylesterase activity; hydrolase activity; methyl indole-3-acetate esterase activity; methyl jasmonate esterase activity; methyl salicylate esterase activity; retinyl-palmitate esterase activity;

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