

Recombinant Human CES3, GST-tagged

Cat. No. CES3-898H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The protein was expressed as gst-tagged fusion protein by E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
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. This gene is expressed in several tissues, particularly in colon, trachea and in brain, and the protein participates in colon and neural drug metabolism. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported, but the biological validity and/or full-length nature of some variants have not been determined.
Antigen peptideregion	219-568aa
Storage buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.
Storage	The protein is stored in PBS buffer at -20°C. Repeated freezethaw cycles should be avoided.

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OfficialSymbol CES3

GENE INFORMATION

Gene Name CES3 carboxylesterase 3 [Homo sapiens]

Synonyms CES3; carboxylesterase 3; ES31; esterase 31; carboxylesterase 3 (brain); liver carboxylesterase 31 homolog; EC 3.1.1.1; UNQ86; PRO1887; FLJ21736

Gene ID 23491

mRNA Refseq NM_024922

Protein Refseq NP_079198

MIM 605279

UniProt ID Q6UWW8

Chromosome Location 16q22.1

Pathway E2F transcription factor network, organism-specific biosystem

Function carboxylesterase activity; thyl indole-3-acetate esterase activity; methyl jasmonate esterase activity; retinyl-palmitate esterase activity

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