

## Recombinant Human CES3, GST-tagged

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

### SPECIFICATION

|                              |   |
|------------------------------|---|
| <b>Product Overview</b>      | The protein was expressed as gst-tagged fusion protein by E.coli and purified by GSH-sepharose.   |
| <b>Species</b>               | Human   |
| <b>Source</b>                | E.coli  |
| <b>Description</b>           | 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. |
| <b>Antigen peptideregion</b> | 219-568aa   |
| <b>Storage buffer</b>        | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.   |
| <b>Storage</b>               | The protein is stored in PBS buffer at -20°C. Repeated freezethaw cycles should be avoided.   |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**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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