

## Recombinant Human CES3 Protein, GST-Tagged

**Cat. No.** CES3-1151H    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Human CES3 full-length ORF (AAH53670.1, 1 a.a. - 568 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<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.[provided by RefSeq, Jun 2010]
<b>Molecular Mass</b>	88.4 kDa
<b>AA Sequence</b>	MERAVRVESGVLVGVVCLLLACPATATGPEVAQPEVDTTLGRVGRQVGVKGTDR LVNVFLGIPFAQPPLGPDRFSAPHPAQPWEGVRDASTAPPMCLQDVESMNSSRFVL NGKQQIFSVSEDCLVLNVYSPAIEVPAGSGRPVMVWVHGGALITGAATSVDGSALAA YGDVVVVTVQYRLGVLGFFSTGDEHAPGNQGFLLDVAALRWVQENIAPFGGDLNC

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VTVFGGSAGGSIISGLVLSPVAAGLFHRAITQSGVITTPGIIDSHPWPLAQKIANLAC  
 SSSSPAEMVQCLQQKEGEELVLSKCLKNTIYPLTVDGTVPKSPKELLKEKPFHSVP  
 FLMGVNNHEFSWLIPRGWGLLDTMEQMSREDMLAISTPVLTSLDVPPPEMMPTVIDE  
 YLGSNSDAQAKCQAFQEFMGDVFINVPTVSFSRYLRDSGSPVFFYEFQHRPSSFAKI  
 KPAWVKADHGAEGAFVFGGPFLMDESSRLEATEEEKQLSLTMMMAQWTHFARTGDP  
 NSKALPPWPQFNQAEQYLEINPVPRAGQKFREAWMQFWSETLPSKIQQWHQKQK  
 NRKAQEDL

<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
<b>Storage</b>	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

<b>Gene Name</b>	CES3 carboxylesterase 3 [ Homo sapiens ]
<b>Official Symbol</b>	CES3
<b>Synonyms</b>	CES3; carboxylesterase 3; carboxylesterase 3 (brain); brain carboxylesterase BR3; ES31; esterase 31; FLJ21736; liver carboxylesterase 31 homolog;
<b>Gene ID</b>	23491
<b>mRNA Refseq</b>	NM_001185176
<b>Protein Refseq</b>	NP_001172105

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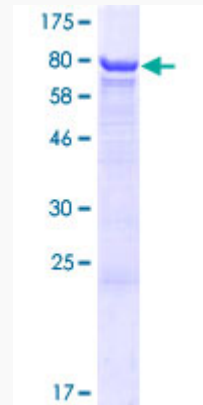
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**MIM** 605279

**UniProt ID** Q6UWW8

**Quality Control  
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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