

Recombinant Full Length Human CES3 Protein, GST-tagged

Cat. No. CES3-3264HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human CES3 full-length ORF (AAH53670.1, 1 a.a. - 568 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	568 amino acids
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.[provided by RefSeq, Jun 2010]
Molecular Mass	88.4 kDa
AA Sequence	MERAVRVESGVLVGVVCLLLACPATATGPEVAQPEVDTTLGRVRGRQVGVKGTDR LVNVFLGIPFAQPPLGPDRFSAPHPAQPWEGVRDASTAPPMCLQDVESMNSSRFVL NGKQQIFSVSEDCLVLNVYSPAIEVPAGSGRPVMVWVHGGALITGAATSVDGSAALAA

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YGDVVVVTVQYRLGVLGFFSTGDEHAPGNQGFLLDVVAALRWVQENIAPFGGDLNC
 VTVFSGSAGGSIIISGLVLSPVAAGLFHRAITQSGVITTPGIIDSHPWPLAQKIANLAC
 SSSSPAEMVQCLQQKEGEELVLSKCLKNTIYPLTVDGTVPKSPKELLKEKPFHSVP
 FLMGVNNEHFSWLIPRGWLLDTMEQMSREDMLAISTPVLTSLDVPEMPTVIDE
 YLGSNSDAQAKCQAFQEFMGDVFINVPTVSFSRYLRDSGSPVFFYEFQHRPSSFAKI
 KPAWVKADHGAEGAFVFGGPFLMDESSRLEATEEEKQLSLTMMMAQWTHFARTGDP
 NSKALPPWPQFNQAEQYLEINPVPRAGQKFREAWMQFWSETLPSKIQQWHQKQK
 NRKAQEDL

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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;

Gene ID

23491

mRNA Refseq

NM_001185176

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Protein Refseq NP_001172105

MIM 605279

UniProt ID Q6UWW8

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