Recombinant Full Length Human CES3 Protein, C-Flag-tagged

Cat. No. CES3-1922HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human CES3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	62.1 kDa
AA Sequence	MERAVRVESGVLVGVVCLLLACPATATGPEVAQPEVDTTLGRVRGRQVGVKGTDR LVNVFLGIPFAQPPL GPDRFSAPHPAQPWEGVRDASTAPPMCLQDVESMNSSRFV LNGKQQIFSVSEDCLVLNVYSPAEVPAGSG RPVMVWVHGGALITGAATSYDGSALA AYGDVVVVTVQYRLGVLGFFSTGDEHAPGNQGFLDVVAALRWVQ ENIAPFGGDLN

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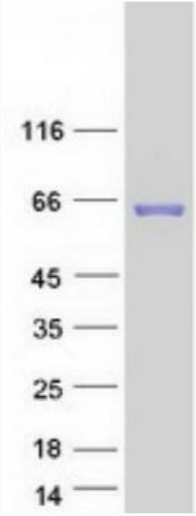
	CVTVFGGSAGGSIISGLVLSPVAAGLFHRAITQSGVITTPGIIDSHPWPLAQKIANTLA CSSSSPAEMVQCLQQKEGEELVLSKKLKNTIYPLTVDGTVFPKSPKELLKEKPFHSV PFLMGVNNHEFSW LIPRGWGLLDTMEQMSREDMLAISTPVLTSLDVPPEMMPTVID EYLGSNSDAQAKCQAFQEFMGDVFINV PTVSFSRYLRDSGSPVFFYEFQHRPSSFA KIKPAWVKADHGAEGAFVFGGPFLMDESSRLAFPEATEEEK QLSLTMMAQWTHFA RTGDPNSKALPPWPQFNQAEQYLEINPVPRAGQKFREAWMQFWSETLPSKIQQWH Q KQKNRKAQEDL TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Full Length	Full L.

GENE INFORMATION

Gene Name	CES3 carboxylesterase 3 [Homo sapiens (human)]
Official Symbol	CES3
Synonyms	ES31

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Gene ID	23491
mRNA Refseq	NM_024922.6
Protein Refseq	NP_079198.2
MIM	605279
UniProt ID	Q6UWW8



Coomassie blue staining of purified CES3 protein.

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