

Liver carboxylesterase 1 (CES1) Recombinant Protein | CES1 recombinant protein

Recombinant Human Liver carboxylesterase 1 (CES1)

CATALOG # AAA113787	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
-------------------------------	---

PRODUCT SYNONYMS

Liver carboxylesterase 1 (CES1); Recombinant Human Liver carboxylesterase 1 (CES1); CES1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	18-567aa; Full Length of Mature Protein
Sequence	GHPSSPPVVD TVHGKVLGKF VSLEGFAQPV AIFLGIPFAK PPLGPLRFTP PQPAEPWSFV KNATSYPPMC TQDPKAGQLL SELFTNRKEN IPLKLESDCL YLNIYTPADL TTKNRLPVMV WIHGGGLMVG AASTYDGLAL AAHENVVVVT IQYRLGIWGF FSTGDEHSRG NWGHLDQVAA LRWVQDNIA FGGNPGSVTI FGESAGGESV SVLVLSPLAK NLFHRAISES GVALTSVLVK KGDVKPLAEQ IAITAGCKTT TSAMVHCLR QKTEEELEET TLKMKFLSLD LQGDPPRESQP LLGTVIDGML LLKTPEELQA ERNFHTVPYM VGINKQEFGW LIPQMLMSYP LSEGQLDQKT AMSLLWKSYP LVCIKELIP EATEKYLGGT DDTVKKKDLF LDLIADVMFG VPSVIVARNH RDAGAPTYMY EFQYRPSFSS DMKPKTVIGD HGDELFSVFG APFLKEGASE EEIRLSKMVM KFWANFARNG NPNGEGLPHW PEYNQKEGYL QIGANTQAAQ KLKDKVAFW TNLFAKKAVE KPPQTEHIEL
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for CES1 recombinant protein	Carboxylesterase 1 is a member of a large multigene family. The enzymes encoded by these genes are responsible for the hydrolysis of ester- and amide-bond-containing drugs such as cocaine and heroin. They also hydrolyze long-chain fatty acid esters and thioesters. This enzyme is known to hydrolyze aromatic and aliphatic esters and is necessary for cellular cholesterol esterification. It may also play a role in detoxification in the lung and or protection of the central nervous system from ester or amide compounds. Carboxylesterase deficiency may be associated with non-Hodgkin lymphoma or B-cell lymphocytic leukemia. Three transcript variants encoding three different isoforms have been found for this gene.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	68508965
NCBI GeneID	1066
NCBI Accession #	NP_001020365.1
NCBI GenBank Nucleotide #	NM_001025194.1
UniProt Accession #	P23141 ; P82127 ; Q00015 ; Q13657 ; Q14062 ; Q16737 ; Q16788 ; Q549X7 ; A6NIM1 ; A8K3K8 ; A8K844 ; E9PAU8
Molecular Weight	62,393 Da
NCBI Official Full Name	liver carboxylesterase 1 isoform b

NCBI Official Synonym Full Names	carboxylesterase 1
NCBI Official Symbol	CES1
NCBI Official Synonym Symbols	CEH; REH; TGH; ACAT; CE-1; CES2; HMSE; SES1; HMSE1; PCE-1; hCE-1
NCBI Protein Information	liver carboxylesterase 1
UniProt Protein Name	Liver carboxylesterase 1
UniProt Gene Name	CES1
UniProt Synonym Gene Names	CES2; SES1; REH; TGH

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://www.aaabiotech.com/ces1-recombinant-protein-e-coli/113787>