Liver carboxylesterase 1 (Ces1) Recombinant Protein | Ces1 recombinant protein

Recombinant Mouse Liver carboxylesterase 1 (Ces1)

CATALOG #	HOST
AAA117700	**E Coli or Yeast or Baculovirus or Mammalian Cell**

PRODUCT SYNONYMS

Liver carboxylesterase 1 (Ces1); Recombinant Mouse 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	19-565aa; Full Length of Mature Protein
Sequence	HPSLPPVVHT VHGKVLGKYV TLEGFSQPVA VFLGVPFAKP PLGSLRFAPP EPAEPWSFVK HTTSYPPLCY QNPEAALRLA ELFTNQRKII PHKFSEDCLY LNIYTPADLT QNSRLPVMVW IHGGGLVIDG ASTYDGVPLA VHENVVVVVI QYRLGIWGFF STEDEHSRGN WGHLDQVAAL HWVQDNIANF GGNPGSVTIF GESAGGESVS VLVLSPLAKN LFHRAIAQSS VIFNPCLFGR AARPLAKKIA ALAGCKTTTS AAMVHCLRQK TEDELLEVSL KMKFGTVDFL GDPRESYPFL PTVIDGVLLP KAPEEILAEK SFNTVPYMVG INKHEFGWII PMFLDFPLSE RKLDQKTAAS ILWQAYPILN ISEKLIPAAI EKYLGGTEDP ATMTDLFLDL IGDIMFGVPS VIVSRSHRDA GAPTYMYEYQ YRPSFVSDDR PQELLGDHAD ELFSVWGAPF LKEGASEEEI NLSKMVMKFW ANFARNGNPN GEGLPHWPEY DQKEGYLQIG VPAQAAHRLK DKEVDFWTEL RAKETAERSS HREHVEL
Species	Mouse
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 hydrolize 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 #	162287349
NCBI GeneID	12623
NCBI Accession #	NP_067431.2
NCBI GenBank Nucleotide #	NM_021456.4
UniProt Accession #	Q8VCC2; O55136
Molecular Weight	62,680 Da
NCBI Official Full Name	liver carboxylesterase 1

NCBI Official Synonym Full Names	carboxylesterase 1G
NCBI Official Symbol	Ces1g
NCBI Official Synonym Symbols	Ces1; Ces-1; Ses-1
NCBI Protein Information	liver carboxylesterase 1
UniProt Protein Name	Liver carboxylesterase 1
UniProt Gene Name	**Ces1**
UniProt Synonym Gene Names	Ces1g

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.

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Online datasheet: https://www.aaabiotech.com/ces1-recombinant-protein-e-coli/117700