

Datasheet for ABIN7281177

**Carboxylesterase 1D (CES1D) (AA 19-565) (Active) protein  
(His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	100 µg
Target:	Carboxylesterase 1D (CES1D)
Protein Characteristics:	AA 19-565
Origin:	Mouse
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	His tag
Application:	SDS-PAGE (SDS)

## Product Details

Sequence:	YPSSPPVVNT VKGKVLGKYV NLEGFTQPVA VFLGVPPFAKP PLGSLRFAPP QPAEPWSFVK NTTSYPPMCS QDAVGGQVLS ELFTNRKENI PLQFSEDCLY LNIYTPADLT KNSRLPVMVW IHGGGLVVG GASTYDGLALS AHENVVVVTI QYRLGIWGFF STGDEHSRGN WGHLDQVAAL RWVQDNIANF GGNPGSVTIF GESAGGFSVS VLVLSPLAKN LFHRAISEG VSLTAALITT DVKPIAGLVA TLSGCKTTTS AVMVHCLRQK TEDELLETSL KLNLFKLDLL GNPKESYPFL PTVIDGVVLP KAPEEILAEK SFSTVPYIVG INKQEFGWII PTLMGYPLAE GKLDQKTANS LLWKSYP TLK ISENMI PVVA EKYLGGTDDL TKKKDLFQDL MADVVFGVPS VIVSRSHRDA GASTYMYEFE YRPSFVSAMR PKAVIGDHGD EIFSVFGSPF LKDGASEEET NLSKMVMKFW ANFARNGNPN GGGLPHWPEY DQKEGYLKIG ASTQAAQRLK DKEVSFWAEL RAKESAQRPS HREHVELLEH HHHHHH
Purity:	> 90 % by SDS - PAGE

## Product Details

Endotoxin Level:	< 1.0 EU per 1 microgram of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 80,000 pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1pmole of p-nitrophenyl acetate to p-nitrophenol per minute at pH 7.5 at 37C

## Target Details

Target:	Carboxylesterase 1D (CES1D)
Alternative Name:	Ces1d ( <a href="#">CES1D Products</a> )
Background:	Ces1d, also known as carboxylesterase 1D, is a member of a large family of carboxylesterases that are responsible for the hydrolysis of ester and amide bonds. It is the principle lipase of white adipose tissue fat cake extracts. Partially purified white adipose tissue Ces1d had lipase activity as well as lesser but detectable neutral cholesteryl ester hydrolase activity. The protein shows low catalytic efficiency for hydrolysis of CPT-11, a prodrugs for camptothecin used in cancer therapeutics. Recombinant mouse Ces1d, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	60.9kDa (555aa) 50-70KDa (SDS-PAGE under reducing conditions.)
NCBI Accession:	<a href="#">NP_444430</a>
UniProt:	<a href="#">Q8VCT4</a>
Pathways:	<a href="#">Monocarboxylic Acid Catabolic Process</a>

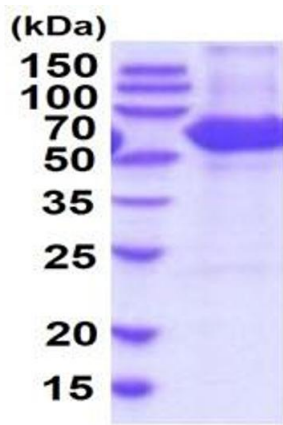
## Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In Phosphate Buffered Saline ( pH 7.4) containing 10 % glycerol.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or

-70C. Avoid repeated freezing and thawing cycles.



15% SDS-PAGE (3ug)

SDS-PAGE
Image 1.