

Datasheet for ABIN7596292

CES1 Protein (AA 19-568) (His tag)



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Overview

Quantity:	200 µg
Target:	CES1
Protein Characteristics:	AA 19-568
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CES1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Enzyme Activity Assay (EAA)

Product Details

Sequence:	ADLGHPSSPP VVDTVHGKVL GKFVSLEGFA QPVAIFLGIP FAKPPLGPLR FTTPQPAEPW SFVKNATSYP PMCTQDPKAG QLLSELF TNR KENIPLKLSE DCLYLNITP ADLTKKNRPL VMVWIHGGGL MVGAASTYDG LALAAHENVV VVTIQYRLGI WGFFSTGDEH SRGNWGHLDQ VAALRWVQDN IASFGGNPGS VTIFGESAGG ESVSVLVLSL LAKNLFHRAI SESGVALTSV LVKKGDVKPL AEQIAITAGC KTTTSAVMVH CLRQKTEEEL LETTLKMKFL SLDLQGDPRE SQPLLGTVID GMLLLKTPEE LQAERNFHTV PYMVGINKQE FGWLIPMQLM SYPLSEGQLD QKTAMSLWK SYPLVCIAKE LIPEATEKYL GGTDDTVKKK DLFLDLIADV MFGVPSVIVA RNHRDAGAPT YMYEFQYRPS FSSDMKPKTV IGDHGDELFS VFGAPFLKEG AEEEEIRLSK MVMKFWANFA RNGNPNGEGL PHWPEYNQKE GYLQIGANTQ AAQKLKDKEV AFWTNLFAKK AVEKPPQTEH IELHHHHHHH
Purity:	> 90% by SDS-PAGE

Product Details

Endotoxin Level:	< 1 EU per 1ug of protein (determined by LAL method)
Biological Activity Comment:	Specific activity is > 700pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1pmole of p-nitrophenyl acetate to pnitrophenol per minute at pH 7.5 at 37C.

Target Details

Target:	CES1
Alternative Name:	Carboxylesterase 1/CES1 (CES1 Products)
Background:	<p>Carboxylesterase 1, also known as liver carboxylesterase 1 isoform a, is a member of a large family of carboxylesterases. It is also part of the alpha/beta fold hydrolase family.</p> <p>Carboxylesterases hydrolyze long-chain fatty acid esters and thioesters. The resulting carboxylates are then often conjugated by other enzymes to increase solubility and eventually excreted. Also, this enzyme may play a role in detoxification in the lung and/or protection of the central nervous system from ester or amide compounds. This protein is known to react aromatic and aliphatic esters and can manage cellular cholesterol esterification levels. It is present in most tissues with higher levels in the liver and low levels in the gastrointestinal tract. Recombinant human Carboxylesterase 1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.</p>
Molecular Weight:	61.7 kDa (559aa)
NCBI Accession:	NP_001020366
Pathways:	Monocarboxylic Acid Catabolic Process

Application Details

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

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.