

Datasheet for ABIN7194593

**Carboxylesterase 2E (CES2E) (Active) protein (His tag)**[Go to Product page](#)**1** Image

## Overview

Quantity:	50 µg
Target:	Carboxylesterase 2E (CES2E)
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	His tag

## Product Details

Purpose:	Recombinant Mouse Carboxylesterase 2E/CES2E Protein (His Tag) (Active)
Sequence:	Met 1-His 556
Characteristics:	A DNA sequence encoding the extracellular domain of mouse CES5 (NP_766347.1) (Met 1-His 556) was expressed, with a C-terminal polyhistidine tag.
Purity:	> 88 % as determined by SDS-PAGE
Endotoxin Level:	< 1.0 EU per µg of the protein as determined by the LAL method.
Biological Activity Comment:	Measured by its ability to hydrolyze pnitrophenylacetate. The specific activity is >50,000 pmoles/min/µg.

## Target Details

Target:	Carboxylesterase 2E (CES2E)
---------	-----------------------------

## Target Details

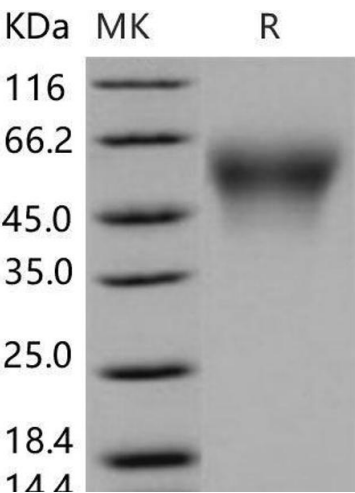
Alternative Name:	Carboxylesterase 2E/CES2E ( <a href="#">CES2E Products</a> )
Background:	<p>Background: Carboxylesterase belongs to the class of serine hydrolases family which includes Chymotrypsin and Acetylcholinesterase. Carboxylesterase is involved in the chemical reaction, exerting its role in catalyzing the carboxylic ester and water to convert to an alcohol and a carboxylate. Carboxylesterase is a type of enzyme that capable of hydrolyzing a variety of carboxylic acid esters and it's widely distributed in cells especially in mammalian liver.</p> <p>Carboxylesterase 5 (CES5), also known as cauxin or CES7, is one of CES enzyme families exerting role in catalyzing hydrolytic and transesterification reactions with broad substrat specificity. CES5 is reported in high concentrations in the urine of adult male cats, and within a protein complex of mammalian male epididymal fluids. Roles for carboxylesterase 5 may include regulating urinary levels of cat pheromone, catalyzing lipid transfer reactions within mammalian male reproductive fluids, and protecting neural tissue from drugs and xenobiotics.</p> <p>Synonym: Pyrethroid hydrolase Ces2e, carboxylesterase 2E, Ces5,1700081L16Rik,1700122C07Rik,BB081581,cauxin,Ces7,Gm503</p>
Molecular Weight:	60.6 kDa
NCBI Accession:	<a href="#">NP_766347</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

## Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 25 mM Tris, 150 mM NaCl, pH 7.5
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	<p>Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C.</p> <p>Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at &lt; -20°C for 3 months.</p>



Western Blotting

Image 1.