

Product datasheet

Recombinant mouse CES3/TGH protein (Active)  
 ab219457

1 Image

Description

<b>Product name</b>	Recombinant mouse CES3/TGH protein (Active)
<b>Biological activity</b>	Specific activity is > 80,000 pmol/min/ug and is defined as the amount of enzyme that hydrolyze 1 pmole of p-nitrophenyl acetate to p-nitrophenol per minute at pH 7.5 at 37 degrees.
<b>Purity</b>	> 90 % SDS-PAGE.
<b>Endotoxin level</b>	< 1.000 Eu/μg
<b>Expression system</b>	Baculovirus infected insect cells
<b>Accession</b>	<a href="#">Q8VCT4</a>
<b>Protein length</b>	Full length protein
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Mouse

Sequence

YPSSPPVVNT VKGKVLGKYV  
 NLEGFTQPVAVFLGVPPFAKP  
 PLGSLRFAPPQPAEPWSFVKNTTSYPPMCSQDAVGG  
 QVLSSELFTRKNI  
 PLQFSEDCLYLNITPADLTKNSRLPVMVWIHGGGLVV  
 GGASTYDGLALS  
 AHENVVVVTIQYRLGMWGFSTGDEHSRGNWGHLDQV  
 AALRWVQDNIANF  
 GGNPGSVTIFGESAGGFVSVLVLSPLAKNLFHRAISE  
 SGVSLTAALITT  
 DVKPIAGLVATLSGCKTTTSAVMVHCLRQKTEDELLET  
 SLKLNLFKLDLL  
 GNPKESYPFLPTVIDGVVLPKAPPEILAEKSFSTVPYV  
 GINKQEFGWII  
 PTLMGYPLAEGKLDQKTANSLWKSYPCLKISENMIPV  
 VAEKYLGGTDDL  
 TKKKDLFQDLMADVVFVGVPSVIVSRSHRDAGASTMY  
 EFEYRPSFVSAMR  
 PKAVIGDHGDEIFSVFGSPFLKDGASEEETNLSKMVM  
 KFWANFARNGNPN

GGGLPHWPEYDQKEGYLKIGASTQAAQRKDKEVSFW  
AELRAKESAQRPSH REHVELLEHHHHHH

<b>Predicted molecular weight</b>	61 kDa including tags
<b>Amino acids</b>	19 to 565
<b>Tags</b>	His tag C-Terminus
<b>Additional sequence information</b>	Mature protein without signal peptide.

## Specifications

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Our [Abpromise guarantee](#) covers the use of **ab219457** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>Applications</b>	Functional Studies SDS-PAGE
<b>Form</b>	Liquid
<b>Additional notes</b>	This product was previously labelled as CES3

## Preparation and Storage

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<b>Stability and Storage</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: 10% Glycerol, 90% PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.
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## General Info

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<b>Function</b>	Involved in the detoxification of xenobiotics and in the activation of ester and amide prodrugs. Shows low catalytic efficiency for hydrolysis of CPT-11 (7-ethyl-10-[4-(1-piperidino)-1-piperidino]-carbonyloxycamptothecin), a prodrug for camptothecin used in cancer therapeutics.
<b>Tissue specificity</b>	Expressed in liver, colon and small intestine.
<b>Sequence similarities</b>	Belongs to the type-B carboxylesterase/lipase family.
<b>Post-translational modifications</b>	N-glycosylated.
<b>Cellular localization</b>	Endoplasmic reticulum lumen.

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## Images

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15% SDS-PAGE using 3ug of ab219457.

SDS-PAGE - Recombinant mouse CES3/TGH  
protein (Active) (ab219457)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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- We investigate all quality concerns to ensure our products perform to the highest standards

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