

Active Recombinant Mouse Ces1d Protein, His-tagged

Cat. No. Ces1d-863M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant mouse CES3 (NP_444430.2) (Met1-Glu561) was expressed with a C-terminal polyhistidine tag.
Species	Mouse
Source	HEK293
ProteinLength	1-561 a.a.
Predicted N Terminal	Tyr 19
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	Measured by its ability to hydrolyze p-nitrophenylacetate. The specific activity is >11000 pmoles/min/μg.
Molecular Mass	The recombinant mouse CES3 comprises 554 amino acids and has a predicted molecular mass of 60.8 kDa. The apparent molecular mass of the protein is approximately 53 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per μg of the protein as determined by the LAL method.
Purity	>90 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	Ces1d carboxylesterase 1D [Mus musculus]
Official Symbol	Ces1d
Synonyms	TGH; Ces3; FAEE synthase; carboxylesterase 3; fatty acid ethyl ester synthase; triacylglycerol hydrolase
Gene ID	104158
mRNA Refseq	NM_053200
Protein Refseq	NP_444430
MIM	
UniProt ID	Q8VCT4
Chromosome Location	8; 8 C5
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - other enzymes, organism-specific biosystem; Metabolism, organism-specific biosystem
Function	carboxylic ester hydrolase activity; carboxylic ester hydrolase activity; sterol esterase

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA