

Active Recombinant Mouse Ces1d protein, His-tagged

Cat. No. Ces1d-826M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ces1d(Met1-Glu561) fused with His tag at C-terminal was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Glu561
Predicted N Terminal	Tyr 19
Form	Lyophilized from sterile PBS, pH 7.4.1. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.2. Please contact us for any concerns or special requirements.
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

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Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade
Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

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	

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UniProt ID	Q8VCT4
Chromosome Location	8; 8 C5
Pathway	Drug metabolism - other enzymes, organism-specific biosystem; Irinotecan Pathway, organism-specific biosystem; Metabolic pathways, organism-specific biosystem
Function	carboxylic ester hydrolase activity; fatty-acyl-ethyl-ester synthase activity; sterol esterase activity

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