

CES1D Protein, Mouse, Recombinant (His)

General Information

Synonyms:	Ces1d;TGH;Ces1;CES3;carboxylesterase 1D
Protein Construction:	A DNA sequence encoding the mouse CES3 (NP_444430.2) (Met1-Glu561) was expressed with a C-terminal polyhistidine tag. Predicted N terminal: Tyr 19
Species:	Mouse
Expression Host:	HEK293 Cells
Accession:	Q8VCT4
Molecular Weight:	60.8 kDa (predicted); 53 kDa (reducing conditions)

QC Testing

Biological Activity:	Measured by its ability to hydrolyze p-nitrophenylacetate. The specific activity is > 11000 pmoles/min/ μ g.
Purity:	> 90 % as determined by SDS-PAGE
Endotoxin:	< 1.0 EU/ μ g of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 μ m filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
Reconstituted with sterile deionized water to 0.25 mg/mL. Reconstitution conditions may vary depending on the lot.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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