

Product Name: Recombinant Mouse CES3 (C-6His)
Catalog #: PHM0398

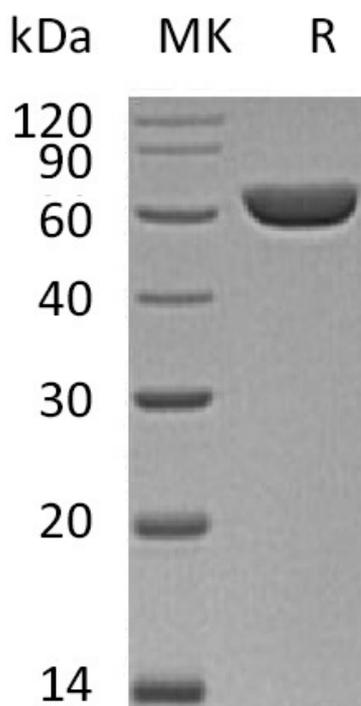


Summary

Name	CES3/Carboxylesterase-3/CES1D
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Mouse Carboxylesterase 3 is produced by our Mammalian expression system and the target gene encoding Tyr19-Glu561 is expressed with a 6His tag at the C-terminus.
Accession #	Q8VCT4
Host	Human Cells
Species	Mouse
Predicted Molecular Mass	62.4 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

CES3; carboxylesterase 3; carboxylesterase 3 (brain); EC 3.1.1; EC 3.1.1.1; ES31FLJ21736; Esterase 31; Liver carboxylesterase 31 homolog

Background

Mouse Carboxylesterases 3 (CES3) is a member of five families of mammalian carboxylesterases that plays a role in catalyzing hydrolytic and transesterification reactions with xenobiotics, anticancer pro-drugs and narcotics, and detoxifying organophosphates and insecticides. Mammalian carboxylesterases are enzymes with broad substrate specificities ranging from small molecule esters to longchain fatty acid esters. It is shown that CESs has key roles in the metabolism of a wide variety of clinical drugs, illicit narcotics and chemical nerve agents. CES3 is broadly expressed in liver, colon and brain.

Note

For Research Use Only , Not for Diagnostic Use.