

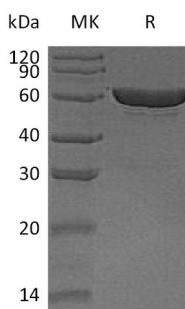
Product Name: Recombinant Human CES1 (C-6His)
Catalog #: PHH0224



概述 (Summary)

英文全称	Carboxylesterase 1/CES1
纯度 (Purity)	Greater than 95% as determined by reducing SDS-PAGE
内毒素 (Endotoxin level)	<1 EU/μg as determined by LAL test.
蛋白构建 (Construction)	Recombinant Human Carboxylesterase 1 is produced by our Mammalian expression system and the target gene encoding His19-Glu562 is expressed with a 6His tag at the C-terminus.
Accession #	P23141-3
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	61.05 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM HAc-NaAc, 150mM NaCl, pH 4.0.
储存缓冲液 (Buffer)	
运输方式 (Shipping)	The product is shipped on dry ice/polar packs. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存 (Stability &Storage)	Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles.
复溶 (Reconstitution)	

电泳图 (SDS-PAGE image)



背景 (Background)

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分子别名 (Alternative Names)

Liver Carboxylesterase 1; Acyl-Coenzyme A:Cholesterol Acyltransferase; ACAT; Brain Carboxylesterase hBr1; Carboxylesterase 1; CE-1; hCE-1; Cocaine Carboxylesterase; Egasyn; HMSE; Methylumbelliferyl-Acetate Deacetylase 1; Monocyte/Macrophage Serine Esterase; Retinyl Ester Hydrolase; REH; Serine Esterase 1; Triacylglycerol Hydrolase; TGH; CES1; CES2; SES1

背景介绍 (References)

Carboxylesterase 1 (CES1) is a member of a large family of carboxylesterases that are responsible for the hydrolysis of ester and amide bonds. These enzymes have broad substrate specificity ranging from small molecule esters such as phenylester to long chain fatty acid esters and thioesters. They are major determinants of the pharmacokinetic behavior of most therapeutic agents containing an ester or amide bond. CES1 shares the serine hydrolase fold observed in other esterases. CES1 hydrolyzes aromatic and aliphatic esters, but has no catalytic activity toward amides or a fatty acyl-CoA ester. CES1 participates in detoxification of drugs such as cocaine and heroin in serum and liver. It may also play a role in detoxification in the lung and/or protection of the central nervous system from ester or amide compounds.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.