

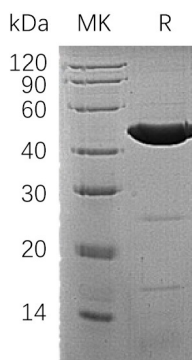
Product Name: Recombinant Human ACADM (N-6His)
Catalog #: PEH0007



概述 (Summary)

英文全称	ACADM/MCAD
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 Medium-Chain Specific Acyl-CoA Dehydrogenase, Mitochondrial is produced by our E.coli expression system and the target gene encoding Lys26-Asn421 is expressed with a 6His tag at the N-terminus.
Accession #	P11310
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	45.9 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Acetate, 10% Trehalose, 0.05% Tween 80, pH 5.0.
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)



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背景 (Background)

分子别名 (Alternative Names)

Medium-Chain Specific Acyl-CoA Dehydrogenase Mitochondrial; MCAD; ACADM

背景介绍 (References)

Medium-Chain Specific Acyl-CoA Dehydrogenase (ACADM) is a mitochondrial fatty acid beta-oxidation that belongs to the acyl-CoA dehydrogenase family. ACADM is a homotetramer enzyme that catalyzes the initial step of the mitochondrial fatty acid beta-oxidation pathway. ACADM is specific for acyl chain lengths of 4 to 16. It is essential for converting these particular fatty acids to energy, especially during fasting periods. Defects in ACADM cause medium-chain acyl-CoA dehydrogenase deficiency, a disease characterized by hepatic dysfunction, fasting hypoglycemia, and encephalopathy, which can result in infantile death.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.