

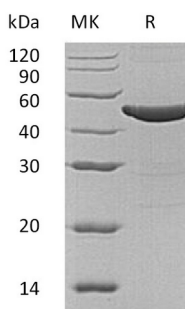
Product Name: Recombinant Human ASS1 (N-6His)
Catalog #: PEH0107



概述 (Summary)

英文全称	ASS1/Argininosuccinate synthase
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 Argininosuccinate Synthase is produced by our E.coli expression system and the target gene encoding Met1-Lys412 is expressed with a 6His tag at the N-terminus.
Accession #	P00966
蛋白标签 (Tag)	
表达宿主 (Host)	E.coli
种属 (Species)	Human
预测分子量 (Predicted MW)	42.8 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM PB, 150mM NaCl, 50mM Imidazole, 1mM DTT, 40% Glycerol, pH 7.5.
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)

Argininosuccinate Synthase; Citrulline--Aspartate Ligase; ASS1; ASS

背景介绍 (References)

Argininosuccinate Synthase (ASS1) is an urea cycle enzyme with a tetrameric structure composed of identical subunits. ASS1 is involved in the synthesis of arginine and catalyzes that condensation of citrulline and aspartate to argininosuccinate using ATP. ASS1 is important to the urea cycle as it catalyzes the important second last step in the arginine biosynthetic pathway. ASS1 mainly expressed in periportal hepatocytes, but also in most other body tissues. A deficiency of ASS1 causes citrullinemia (CTLN1), an autosomal recessive disease which is characterized by severe vomiting spells and mental retardation.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.