

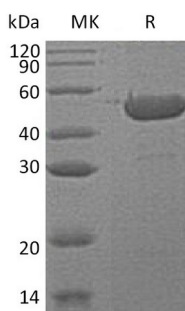
Product Name: Recombinant Human SHPK (C-6His)
Catalog #: PHH1478



概述 (Summary)

英文全称	Sedoheptulokinase/SHPK/CARKL
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 Sedoheptulokinase is produced by our Mammalian expression system and the target gene encoding Met1-Ser478 is expressed with a 6His tag at the C-terminus.
Accession #	AAH20543.1
蛋白标签 (Tag)	
表达宿主 (Host)	Human Cells
种属 (Species)	Human
预测分子量 (Predicted MW)	52.5 KDa
蛋白形态 (Form)	Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 500mM NaCl, 10% Glycerol, 3mM DTT, pH7.4.
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)

Sedoheptulokinase; SHK; Carbohydrate kinase-like protein; SHPK; CARKL

背景介绍 (References)

Sedoheptulokinase (SHPK) belongs to the FGGY kinase family, and is mainly located in cytoplasm. SHPK is strongly expressed in liver, kidney and pancreas. It is expressed at lower levels in placenta and heart, and very weakly expressed in lung and brain. SHPK catalyzes the chemical reaction: $\text{ATP} + \text{sedoheptulose} = \text{ADP} + \text{sedoheptulose 7-phosphate}$. It can transform sedoheptulose to sedoheptulose 7-phosphate in the condition of ATP, and acts as a modulator of macrophage activation through control of glucose metabolism. In addition, It also can be down-regulated by LPS.

注意事项 (Note)

For Research Use Only , Not for Diagnostic Use.