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Datasheet for ABIN7318998 SHPK Protein (His tag)

Overview

Quantity:	50 µg
Target:	SHPK
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SHPK protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Sedoheptulokinase/SHPK Protein (His Tag)
Sequence:	Met 1-Ser478
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	SHPK
Alternative Name:	Sedoheptulokinase/SHPK (SHPK Products)
Background:	Background: 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

Target Details

catalyzes the chemical reaction: ATP + sedoheptulose = ADP + sedoheptulose 7-phosphatecan, 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.

Synonym: Sedoheptulokinase,SHK,Carbohydrate kinase-like protein,SHPK,CARKL

Molecular Weight: 52.5 kDa

UniProt: [Q9UJH6](#)

Pathways: [Cellular Response to Molecule of Bacterial Origin](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.