

Recombinant Human Sedoheptulokinase/SHPK Protein(C-6His)

Cat.NO.: TP06106

3th Edition

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

Description: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: 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.

Form:PBS

Molecular Weight:52.5 kDa

Sequences:Met 1-Ser478

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.