

## 32-8470: Recombinant Human Sedoheptulokinase/SHPK (C-6His)(Discontinued)

**Gene :** SHPK  
**Gene ID :** 23729  
**Uniprot ID :** Q9UHJ6

### Description

Source: Human Cells.  
MW :52.5kD.

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. 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** MAARPITLGIDLGTTSVKAALLRAAPDDPSGFAVLASCARAARAEAAVESAVAGPQGREQDVSRILQALHECLA  
ALPRPQLRSVVGIGVSGQMHGCVFWKTGQGCWEWTEGGITPVFEPRAVSHLVTWQDGRCSSEFLASLPQPKSH  
LSVATGFGCATIFWLLKYRPEFLKSYDAAGTIHDYVVALCGLPRPLMSDQNAASWGYFNTQSQSWNVETLRS  
SGFPVHLLPDIAEPGSVAGRTSHMWFEIPKGTQVGVALGDLQASVYSCMAQRDVAVLNISTSVQLAASMPSGF  
QPAQTPDPTAPVAYFPYFNRTYLGVAASLNGGNVLATFVHMLVQWMADLGLVEVEESTVYSRMIQAAVQQRDT  
HLTITPTVLGERHLPDQLASVTRISSDLSLGHVTRALCRGIVQNLHSMPLIQQLQEWGVERVMGSGSALSARN  
VLKQEVQRAFPPLPMSFGQDVDAAVGAALVMLRRHLNMQKESVDHHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.