

Product datasheet for **TP727209**

Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Sedoheptulokinase/SHPK (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Ser478
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
Note:	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.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Synonyms:	Sedoheptulokinase;SHK;Carbohydrate kinase-like protein;SHPK;CARKL
Summary:	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.



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