

SHPK 抗原（重组蛋白）

中文名称： SHPK 抗原（重组蛋白）

英文名称： SHPK Antigen (Recombinant Protein)

别名： sedoheptulokinase; SHK; CARKL

储存： 冷冻（-20℃）

相关类别 抗原

概述

Fusion protein corresponding to a region derived from 279-478 amino acids of human SHPK

技术规格

Full name:	sedoheptulokinase
Synonyms:	SHK; CARKL
Swissprot:	Q9UJH6
Gene Accession:	BC020543
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene has weak homology to several carbohydrate kinases, a class of proteins involved in the phosphorylation of sugars as they enter a cell, inhibiting return across the cell membrane. Sequence variation between this novel gene and known carbohydrate kinases suggests the possibility of a different substrate, cofactor or changes in kinetic properties distinguishing it from other carbohydrate kinases. The gene resides in a region commonly deleted in cystinosis patients, suggesting a role as a modifier for the cystinosis phenotype. The genomic region is

also rich in Alu repetitive sequences, frequently involved in chromosomal rearrangements.