

# Recombinant Human SHPK

Catalog No: #GP12709



Package Size: #GP12709-1 100ug

Orders: [order@signalwayantibody.com](mailto:order@signalwayantibody.com)Support: [tech@signalwayantibody.com](mailto:tech@signalwayantibody.com)

## Description

Product Name	Recombinant Human SHPK
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 279-478 amino acids of human SHPK
Target Name	sedoheptulokinase
Other Names	SHK; CARKL
Accession No.	Swissprot:Q9UHH6Gene Accession:BC020543
Uniprot	Q9UHH6
GeneID	23729;
Storage	-20~-80°C, pH 7.6 PBS

## 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.

## References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

Note: This product is for in vitro research use only