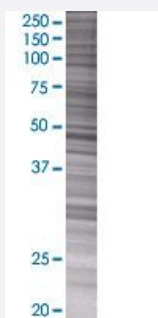


CARKL 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00023729-T01

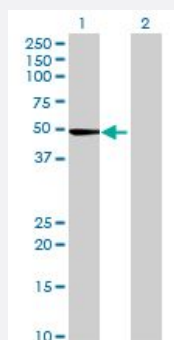
Size 100 uL

Applications



SDS-PAGE Gel

CARKL transfected lysate.



Western Blot

Lane 1: CARKL transfected lysate (52.69 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CARKL full-length
Host	Human
Theoretical MW (kDa)	52.69
Interspecies Antigen Sequence	Mouse (87); Rat (86)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CARKL antibody ([H00023729-B01](#)) by Western Blots.
SDS-PAGE Gel
CARKL transfected lysate.
Western Blot
Lane 1: CARKL transfected lysate (52.69 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — SHPK

Entrez GeneID

[23729](#)

GeneBank Accession#

[NM_013276.2](#)

Protein Accession#

[NP_037408.2](#)

Gene Name

SHPK

Gene Alias

CARKL, FLJ32478, SHK

Gene Description

sedoheptulokinase

Omim ID

[605060](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

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. [provided by RefSeq]

Other Designations

carbohydrate kinase-like

Pathway

- [Carbon fixation in photosynthetic organisms](#)

Disease

- [Cardiovascular Diseases](#)
- [Carotid Stenosis](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)