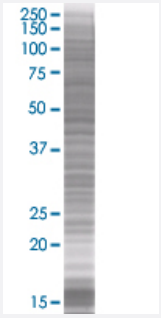
CERK 293T Cell Transient Overexpression Lysate(Denatured)

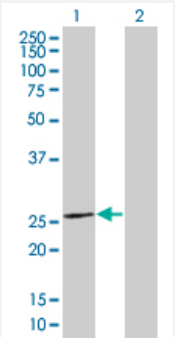
Catalog # H00064781-T01 Size 100 uL

Applications



SDS-PAGE Gel

CERK transfected lysate.



Western Blot

Lane 1: CERK transfected lysate (21.7 KDa)
Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CERK full-length
Host	Human
Theoretical MW (kDa)	22.22
Interspecies Antigen Sequence	Mouse (100); Rat (100)

Quality Control Testing	Transient overexpression cell lysate was tested with Anti-CERK antibody (H00064781-B01) by Western Blots. SDS-PAGE Gel CERK transfected lysate. Western Blot Lane 1: CERK transfected lysate (21.7 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 — CERK

Entrez GeneID	64781
GeneBank Accession#	NM_182661
Protein Accession#	NP_872602
Gene Name	CERK
Gene Alias	DKFZp434E0211, FLJ21430, FLJ23239, KIAA1646, LK4, MGC131878, dA59H18.2, dA59H18.3, hCERK
Gene Description	ceramide kinase
Omim ID	610307
Gene Ontology	Hyperlink
Gene Summary	CERK converts ceramide to ceramide 1-phosphate (C1P), a sphingolipid metabolite. Both CERK and C1P have been implicated in various cellular processes, including proliferation, apoptosis, phagocytosis, and inflammation (Kim et al., 2006 [PubMed 16488390]).[supplied by OMIM
Other Designations	OTTHUMP00000028554|lipid kinase LK4

Pathway

- Sphingolipid metabolism

Disease

- Kidney Failure