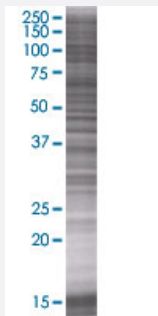


PANK1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00053354-T01

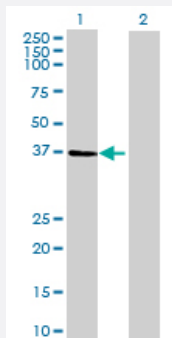
Size 100 uL

Applications



SDS-PAGE Gel

PANK1 transfected lysate.



Western Blot

Lane 1: PANK1 transfected lysate (41.14 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-PANK1 full-length
Host	Human
Theoretical MW (kDa)	41.14
Interspecies Antigen Sequence	Mouse (96); Rat (98)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-PANK1 antibody ([H00053354-B01](#)) by Western Blots.
SDS-PAGE Gel
PANK1 transfected lysate.
Western Blot
Lane 1: PANK1 transfected lysate (41.14 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 — PANK1

Entrez GeneID[53354](#)**GeneBank Accession#**[NM_148978.1](#)**Protein Accession#**[NP_683879.1](#)**Gene Name**

PANK1

Gene Alias

MGC24596, PANK, PANK1a, PANK1b

Gene Description

pantothenate kinase 1

Omim ID[606160](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

This gene encodes a protein belonging to the pantothenate kinase family. Pantothenate kinase is a key regulatory enzyme in the biosynthesis of coenzyme A (CoA) in bacteria and mammalian cells. It catalyzes the first committed step in the universal biosynthetic pathway leading to CoA and is itself subject to regulation through feedback inhibition by CoA. Alternative splicing has been observed at this locus and three variants, each encoding a distinct isoform, have been identified. [provided by RefSeq]

Other Designations

OTTHUMP00000020071|OTTHUMP00000020072|pantothenic acid kinase

Pathway

- [Metabolic pathways](#)
- [Pantothenate and CoA biosynthesis](#)

Disease

- [Alzheimer Disease](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [HIV Infections](#)
- [Tobacco Use Disorder](#)