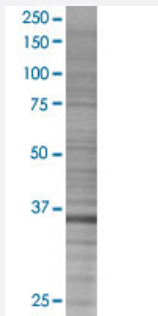


VRK1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007443-T01

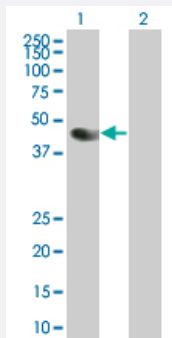
Size 100 uL

Applications



SDS-PAGE Gel

VRK1 transfected lysate.



Western Blot

Lane 1: VRK1 transfected lysate (43.67 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-VRK1 full-length

Host Human

Theoretical MW (kDa) 43.67

Quality Control Testing Transient overexpression cell lysate was tested with Anti-VRK1 antibody ([H00007443-B01](#)) by Western Blots.
SDS-PAGE Gel
VRK1 transfected lysate.
Western Blot
Lane 1: VRK1 transfected lysate (43.67 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 — VRK1

Entrez GeneID

[7443](#)

GeneBank Accession#

[NM_003384.2](#)

Protein Accession#

-

Gene Name

VRK1

Gene Alias

MGC117401, MGC138280, MGC142070

Gene Description

vaccinia related kinase 1

Omim ID

[602168](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. This gene is widely expressed in human tissues and has increased expression in actively dividing cells, such as those in testis, thymus, fetal liver, and carcinomas. Its protein localizes to the nucleus and has been shown to promote the stability and nuclear accumulation of a transcriptionally active p53 molecule and, in vitro, to phosphorylate Thr18 of p53 and reduce p53 ubiquitination. This gene, therefore, may regulate cell proliferation. This protein also phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN. [provided by RefSeq]

Other Designations

vaccinia virus B1R-related kinase 1|vaccinia-related kinase-1