

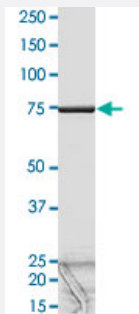
Bioactive

Full-Length

VRK1 (Human) Recombinant Protein

Catalog # P4795 Size 100 ug

Applications



Result of activity analysis

Result of activity analysis

Specification

Product Description	Human VRK1 (NM_003384, 1 a.a. - 396 a.a.) full-length recombinant protein with GST-His tag expressed in Sf9 cells.
Host	insect
Theoretical MW (kDa)	75.142
Form	Liquid
Preparation Method	Insect cell (Sf9) expression system
Purification	One-step affinity purification using GSH-agarose
Concentration	0.269 ug/uL

Activity	30 pmol/ug x min
Quality Control Testing	2 ug/lane SDS-PAGE Stained with Coomassie Blue
Storage Buffer	In 50 mM Tris-HCl, 100 mM NaCl, pH 8.0 (5 mM DTT, 15 mM reduced glutathione, 20% glycerol)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing
Note	Result of activity analysis Result of activity analysis

Applications

- Functional Study
- SDS-PAGE

Gene Info — VRK1

Entrez GeneID	7443
Protein Accession#	NM_003384
Gene Name	VRK1
Gene Alias	MGC117401, MGC138280, MGC142070
Gene Description	vaccinia related kinase 1
Omim ID	602168
Gene Ontology	Hyperlink
Gene Summary	<p>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]</p>
Other Designations	vaccinia virus B1R-related kinase 1 vaccinia-related kinase-1