Recombinant Human VRK1 Protein (Full Length), N-His-tagged

Cat. No. VRK1-31740TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant protein of human vaccinia related kinase 1 (VRK1), full length, with N-terminal HIS tag, expressed in E. coli.
Species	Human
Source	E.coli
Description	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.
Molecular Mass	45.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Full Length	Full L.

GENE INFORMATION

Gene Name	VRK1 VRK serine/threonine kinase 1 [Homo sapiens (human)]
Official Symbol	VRK1
Synonyms	VRK1; VRK serine/threonine kinase 1; PCH1; PCH1A; serine/threonine-protein kinase VRK1; vaccinia related kinase 1; vaccinia virus B1R-related kinase 1; EC 2.7.11.1
Gene ID	7443
mRNA Refseq	NM_003384
Protein Refseq	NP_003375
MIM	602168
UniProt ID	Q99986
SDS-PAGE	

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