

Recombinant Human Vaccinia Related Kinase 1, GST-tagged

Cat. No. VRK1-1117H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human VRK1 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	VRK1 is a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. VRK1 is widely expressed in human tissues and actively dividing cells, such as those in testis, leukocytes, fetal liver and carcinomas. VRK1 regulate cell proliferation and phosphorylates histone, casein, and the transcription factors ATF2 (activating transcription factor 2) and c-JUN. The spinal muscular atrophy with pontocerebellar hypoplasia is caused by a mutation in the VRK1 gene.
Applications	Kinase Assay; Western Blot
Molecular Weight	71 kDa
Expression System	Sf9 insect cells using baculovirus
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25 % glycerol.
Purity	> 95 %

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Concentration	0.1 ug/ul
Sequences	Full-length
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	VRK1 vaccinia related kinase 1 [Homo sapiens]
Official Symbol	VRK1
Synonyms	VRK1; vaccinia related kinase 1; PCH1; MGC117401; MGC138280; MGC142070; 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
Chromosome Location	14q32
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase

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activity; transferase activity

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