

## Recombinant Human Vaccinia Related Kinase 2, GST-tagged

Cat. No. VRK2-1118H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant human VRK2 (1-375) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1-375 a.a.
<b>Description</b>	VRK2 (also known as vaccinia related kinase 2) is a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. VRK2 is widely expressed in human tissues and highly expressed in actively dividing cells, such as those in testis, leukocytes, fetal liver and carcinomas. VRK2 can be used to phosphorylate casein and itself undergo autophosphorylation. VRK2 interacts specifically with Epstein-Barr virus BHRF1, a homologue of Bcl-2, and this interaction is involved in protecting cells from apoptosis.
<b>Applications</b>	Kinase Assay; Western Blot
<b>Molecular Weight</b>	66 kDa
<b>Expression System</b>	Sf9 insect cells using baculovirus
<b>Form</b>	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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	> 90 %
<b>Concentration</b>	0.1 ug/ul
<b>Sequences</b>	1-375
<b>Storage</b>	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

<b>Gene Name</b>	VRK2 vaccinia related kinase 2 [ Homo sapiens ]
<b>Official Symbol</b>	VRK2
<b>Synonyms</b>	VRK2; vaccinia related kinase 2; serine/threonine-protein kinase VRK2; OTTHUMP00000159702; OTTHUMP00000201223; OTTHUMP00000201224; OTTHUMP00000225744; vaccinia virus B1R-related kinase 2; EC 2.7.11.1
<b>Gene ID</b>	7444
<b>mRNA Refseq</b>	NM_006296
<b>Protein Refseq</b>	NP_006287
<b>MIM</b>	602169
<b>UniProt ID</b>	Q86Y07
<b>Chromosome Location</b>	2p16.1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



**Function**

ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA