Recombinant Human Vaccinia Related Kinase 2, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant human VRK2 (1-375) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-375 a.a.
Description	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.
Applications	Kinase Assay; Western Blot
Molecular Weight	66 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.

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Purity	> 90 %
Concentration	0.1 ug/ul
Sequences	1-375
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	VRK2 vaccinia related kinase 2 [Homo sapiens]
Official Symbol	VRK2
Synonyms	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
Gene ID	7444
mRNA Refseq	NM_006296
Protein Refseq	NP_006287
MIM	602169
UniProt ID	Q86Y07
Chromosome Location	2p16.1

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

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