

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### VRK3 (I179) Peptide

Cat No.: BS9200P

#### Background

The vaccinia-related kinase (VRK) proteins consist of three Ser-Thr kinases, designated VRK1, VRK2 and VRK3. In the human kinome, VRK proteins function as upstream regulators of several transcription factors. VRK3 (vaccinia related kinase 3) is a 474 amino acid nuclear protein that contains one protein kinase domain and belongs to the serine/threonine protein kinase family. Widely expressed in human tissues, VRK3 is thought to regulate ERK (extracellular signal regulated kinases) activity by directly binding to MPKs (mitogenactivated protein kinase phosphatases), specifically vaccinia H1-related (VHR) phosphatase, thereby dephosphorylating and inactivating ERK in the nucleus. VRK3 exists as two alternatively spliced variants and is encoded by a gene located on human chromosome 19, which consists of around 63 million bases, over 1,400 genes and makes up over 2% of human genomic DNA.

#### Swiss-Prot

Q8IV63

#### Applications

#### Blocking

#### Specificity

This peptide can be used with studies using BS9200 VRK3 (I179) pAb.

#### Purification & Purity

Synthetic peptide VRK3 (I179). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

#### Research Use

For research use only, not for use in diagnostic procedure.

Bioworld Technology, Inc.

1660 South Highway 100, Suite 500 St. Louis Park, MN  
55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

Bioworld technology, co, Ltd.

No 9, weidi road Qixia District Nanjing, 210046,  
P, R.China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: +86-025-68037686 Fax: +86-025-68035151