

## Recombinant Mouse Vrk2 Protein, His&GST-tagged

**Cat. No.** Vrk2-575M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Vrk2 Protein (Met1-Glu234) with N-His&GST tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met1-Glu234
<b>Description</b>	Enables protein serine/threonine kinase activity. Acts upstream of or within protein autophosphorylation. Located in endoplasmic reticulum; membrane; and nuclear envelope. Is expressed in several structures, including cerebral cortex; dorsal mesogastrium; gonad; hemolymphoid system; and yolk sac. Orthologous to human VRK2 (VRK serine/threonine kinase 2).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 57.1 kDa Accurate Molecular Mass: 57 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by

 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

accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

**Gene Name**

Vrk2 vaccinia related kinase 2 [ *Mus musculus* (house mouse) ]

**Official Symbol**

Vrk2

**Synonyms**

VRK2; vaccinia related kinase 2; serine/threonine-protein kinase VRK2; vaccinia-related kinase 2; vaccinia virus BIR kinase related kinase 2; AI447698; 2810003O05Rik

**Gene ID**

69922

**mRNA Refseq**

NM\_001252447

**Protein Refseq**

NP\_001239376

**UniProt ID**

Q8BN21

 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