

# Recombinant Vaccinia Virus VACWR034 Protein (1-88 aa), His-tagged

**Cat. No.** VACWR034-1949V    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Vaccinia Virus (strain Western Reserve) (VACV) (Vaccinia virus (strain WR)) VACWR034 Protein (1-88 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Protein Description: Full Length. |
| <b>Species</b>          | VACV                                                                                                                                                                                                                                                   |
| <b>Source</b>           | Yeast                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | 1-88 aa                                                                                                                                                                                                                                                |
| <b>Description</b>      | Viral mimic of eIF-2-alpha that acts as a pseudosubstrate for EIF2AK2/PKR kinase. Inhibits therefore eIF-2-alpha phosphorylation by host EIF2AK2/PKR kinase and prevents protein synthesis shutoff.                                                    |
| <b>Form</b>             | Tris-based buffer, 50% glycerol                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 12.6 kDa                                                                                                                                                                                                                                               |
| <b>AA Sequence</b>      | MLAFCYSLPNAGDVIKGRVYEKDYALYIYLFDPHFMAILAESVKMHMDRYVEYRDK<br>LVGKTVKVKVIRVDYTKGYIDVNYKRMCRHQ                                                                                                                                                            |
| <b>Purity</b>           | > 90% as determined by SDS-PAGE.                                                                                                                                                                                                                       |
| <b>Notes</b>            | Repeated freezing and thawing is not recommended. Store working aliquots at 4                                                                                                                                                                          |

 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

centigrade for up to one week.

**Storage**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

**Concentration**

A hardcopy of COA with reconstitution instruction is sent along with the products.

## GENE INFORMATION

**Gene Name**

K3L temporal expression: early [ *Vaccinia virus* ]

**Official Symbol**

VACWR034

**Synonyms**

VACWR034; Protein K2;

**Gene ID**

3707649

**Protein Refseq**

YP\_232916

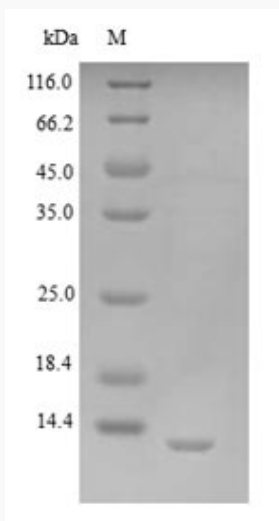
**UniProt ID**

P18378

 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



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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