

# Recombinant Vaccinia virus TOP1 protein, His-tagged

**Cat. No.** TOP1-3710V    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Vaccinia virus TOP1 protein(P68697)(1-314aa), fused to N-terminal His tag, was expressed in E. coli.                                                                                                                                                                                                                                                            |
| <b>Species</b>          | VACV                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 1-314aa                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | <p>If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.</p> <p>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.</p>                                                                                                                            |
| <b>Molecular Mass</b>   | 40.7 kDa                                                                                                                                                                                                                                                                                                                                                                    |
| <b>AA Sequence</b>      | <p>MRALFYKDGKLFDTNDFLNPNVSDDNPAYEVLQHVKIPTHLTDVVVYEQTWEEALTRL</p> <p>IFVGSDSKGRRQYFYGKMHVQNRNAKRDRIFVRVYNVMKRINCFINKNIKKSSTDSN</p> <p>YQLAVFMLMETMFFIRFGKMKYLKENETVGLLTLKNKHIEISPDEIVIKFVGKDKVSHE</p> <p>FVVHKS NRLYKPLLKLTDDSSPEEFLFNKLSERKVYECIKQFGIRIKDLRTYGVNYTFL</p> <p>YNFWTNVKSISPLPSPKKLIALTIKQTAEVVGHTPSISKRAYMATTILEMVKDKNFLDV</p> <p>VSKTTFDEFLSIVVDHVKSSTDG</p> |
| <b>Purity</b>           | Greater than 90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                 |

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**Storage**

Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

**Reconstitution**

Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

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