

## VP3 of Human Enterovirus 71

CATALOG NUMBER: EV-VP3-30p, 50 µg

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| <b>Introduction</b>  | <p>Enterovirus 71 (EV71) is a major infectious disease affecting millions of people worldwide and it is the main etiological agent for outbreaks of hand foot and mouth disease (HFMD).</p> <p>EV71 is a single stranded RNA positive strand virus from the <i>Picornaviridae</i> family. It is non-enveloped, with an icosahedral capsid which consists of 60 identical protomers and each contains four different structural proteins VP1-VP4. This viral capsid encloses single strand positive sense RNA that is approximately 7.4 kb in size, encoding four structural (VP1, VP2, VP3, VP4) and seven non-structural (2A, 2B, 2C, 3A, 3C, and 3B, 3D) proteins.</p> |
| <b>Description</b>   | 6x His-tagged recombinant VP3 of EV71 capsid protein expressed in <i>E. coli</i>   |
| <b>Applications</b>  | Western blot standard, antibody ELISA, antigen, <i>etc.</i>  |
| <b>Viral Protein</b> | 6x His-tagged VP3 of human enterovirus 71 (Strain: Shanghai 036-2009) capsid protein (amino acid 324-567) (GenBank No. ACN59569)   |
| <b>Storage</b>       | Store at -20 °C; Stable for 6 months from the date of shipment when kept at 4 °C. Non-hazardous.   |
| <b>Concentration</b> | 1 µg/µl in 50 mM Tris-HCl (pH8.0), 0.15 M NaCl with 8M Urea  |
| <b>Purity</b>        | ≥ 95% purity by SDS-PAGE   |



**SDS-PAGE:** purified VP3 protein of human enterovirus 71