

## VP2 of Human Enterovirus 71

CATALOG NUMBER: EV-VP2-20p, 50 µg

<b>Introduction</b>	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).  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.
<b>Description</b>	6x His-tagged recombinant VP protein of EV71 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 capsid protein (amino acid 70-323) (human enterovirus A71) (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 Tris-HCl (pH8.0), 0.15 M NaCl with 8M Urea
<b>Purity</b>	≥ 95% purity by SDS-PAGE



**SDS-PAGE:** purified VP2 protein of human enterovirus A71