

VP4 of Human Enterovirus 71

CATALOG NUMBER: EV-VP-40p, 50 µg

Introduction	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.
Description	GST-tagged recombinant protein expressed in <i>E. coli</i>
Applications	Western blot standard, antibody ELISA, antigen, <i>etc.</i>
Viral Protein	C-terminal GST-tagged VP4 protein (amino acid 2-69) (human enterovirus 71) (GenBank No. ACN59569)
Storage	Store at -20 °C; Stable for 6 months from the date of shipment when kept at 4 °C. Non-hazardous.
Concentration	1 µg/µl in PBS with 8M Urea
Purity	≥ 95% purity by SDS-PAGE

150 kD

100 kD

75 kD

50 kD

25 kD



SDS-PAGE: purified VP4 protein of human enterovirus 71