

VP3 of Human Enterovirus 71

CATALOG NUMBER: EV-VP3-30p, 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 *Picornaviridae* 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 6x His-tagged recombinant VP3 of EV71 capsid protein expressed in *E. coli*

Applications Western blot standard, antibody ELISA, antigen, *etc.*

Viral Protein 6x His-tagged VP3 of human enterovirus 71 (Strain: Shanghai 036-2009) capsid

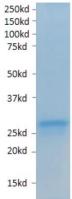
protein (amino acid 324-567) (GenBank No. ACN59569)

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 50 mM Tris-HCl (pH8.0), 0.15 M NaCl with 8M Urea

Purity ≥ 95% purity by SDS-PAGE



SDS-PAGE: purified VP3 protein of human enterovirus 71