

# EV71 EV71 VP0 (His & GST Tag) recombinant protein



Catalog Number: 502205

## General Information

### Gene Name Synonym

P3; Protein 3AB; P2; P1; Capsid protein VP0; VP4-VP2; Capsid protein VP4; P1A; Virion protein 4; Capsid protein VP2; P1B; Virion protein 2; Capsid protein VP3; P1C; Virion protein 3; Capsid protein VP1; P1D; Virion protein 1; Protease 2A; Picornain 2A; Protein 2A; Protein 2B; Protein 2C; Protein 3A; Viral protein genome-linked; Protein 3B; Protein 3CD; Protease 3C; RNA-directed RNA polymerase; 3D polymerase; Protein 3D

### Protein Construction

A DNA sequence encoding the amino acids (Met 1-Gln 323) of human enterovirus 71 genome polyprotein (Q66478-1), corresponding to the protein VP0 precursor, a component of immature procapsids, was fused with the N-terminal polyhistidine-tagged GST tag at the N-terminus.

### Organism

EV71

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Purity

> 72 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu\text{g}$  of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at  $-70^{\circ}\text{C}$

### Predicted N terminal

Met

### Molecular Mass

The recombinant human enterovirus 71 protein VP0/GST chimera consists of 560 amino acids and has a calculated molecular mass of 63 kDa. It migrates as an approximately 58 kDa band in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile 50mM Tris, 100mM NaCl, 2mM GSH, 0.5mM PMSF, pH 8.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

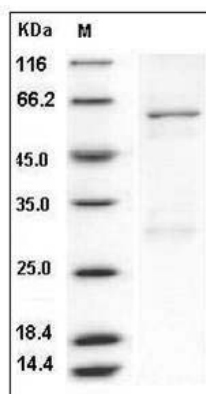
### Storage

Store it under sterile conditions at  $-20^{\circ}\text{C}$  to  $-80^{\circ}\text{C}$ . It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human Enterovirus 71 VP0 Protein (His & GST Tag) SDS-PAGE