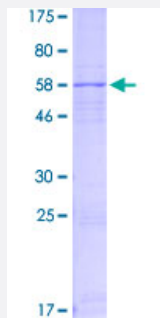


EV71 VP1 Recombinant Protein

Catalog # P3386

Size 25 ug, 10 ug

Applications



Specification

Product Description	EV71 VP1 partial ORF (AAP82198.1, 1 a.a. - 297 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GDRVADVISSIGDSVSRALTQALPAPTGGQNTQVSSHRLDTGEVPALQAAEIGASSNTSDESMIET RCVLNSHSTAETTLDSFFSRAGLVGEIDLPLEGTTNPNGYANWDIDITGYAQMRKVELFTYMRFD AEFTFVACTPTGGVVPQLLQYMFVPPGAPKPDRESLAWQTATNPSVFVKLTDPQAQVSVPFM SPASAYQWFYDGYPTFGEHKQEKDLEYGACPNNMMGTFSVRTVGSSKSKYPLVVRMYMRMKHV RAWIPRPMRNQNYLFKANPNYAGNSIKPTGTSRTAITTL
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	59.07
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Publication Reference

- [Inhibitory effects and mechanisms of proanthocyanidins against enterovirus 71 infectio.](#)

Jiqin Sun, Xiaoyao Ma, Lishan Sun, Yang Zhang, Cui Hao, Wei Wang.

Virus Research 2023 May; 329:199098.

Application: Sub, Recombinant proteins

- [VP1-binding protein glucose-regulated protein 78 as an important mediator for enterovirus 71 infecting human brain microvascular endothelial cells.](#)

Luo W, Liang P, Puthiyakunnon S, Yang L, Hong C.

Indian Journal of Medical Microbiology 2020 Jul; 37(3):406.

Application: Func, PI, WB-Re, Human, Human brain microvascular endothelial cells

- [The C-Terminus of the Core \$\beta\$ -Ladder domain in Japanese Encephalitis Virus Nonstructural Protein 1 Is Flexible for Accommodation of Heterologous Epitope Fusion.](#)

Yen LC, Liao JT, Lee HJ, Chou WY, Chen CW, Lin YL, Liao CL.

Journal of Virology 2015 Nov; 90(3):1178.

Application: WB, Mouse, Serum

- [Human IgG Fc promotes expression, secretion and immunogenicity of enterovirus 71 VP1 protein.](#)

Xu J, Zhang C.

Journal of Biomedical Research 2016 May; 30(3):209.

Application: ELISA, Mouse, Serum

- [Glycyrrhizic acid as the antiviral component of Glycyrrhiza uralensis Fisch. against coxsackievirus A16 and enterovirus 71 of hand foot and mouth disease.](#)

Wang J, Chen X, Wang W, Zhang Y, Yang Z, Jin Y, Hui Ming G, Li E, Yang G.

Journal of Ethnopharmacology 2013 May; 147(1):114.

Application: WB, Monkey, Vero cells

- [Identification of OASL d, a splice variant of human OASL, with antiviral activity.](#)

Guo X, Li X, Xu Y, Sun T, Yang G, Wu Z, Li E.

The International Journal of Biochemistry & Cell Biology 2012 Jul; 44(7):1133.

Application: WB, Human, RD cells