

## Human herpesvirus 2 (HHV-2) (strain HG52) Tegument protein VP22 (His)

### General Information

Synonyms:	Tegument protein VP22
Protein Construction:	170-300 aa
Species:	HHV-2
Expression Host:	E. coli
Accession:	P89468
Molecular Weight:	17.9 kDa (predicted)
AA Sequence:	QGLAKKLHFSTAPPSPTAPWTPRVAGFNKRVFCAAVGRLAATHARLAAVQLWDMSRPHTDEDLNELLDLTTI RVTVCEGKNLLQRANELVNPDAAQDVDATAAARGRPAGRAAATARAPARSASRPRRPLE

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 90% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Tegument protein that plays different roles during the time course of infection. Participates in both the accumulation of viral mRNAs and viral protein translation at late time of infection. Modulates the RNase activity of the virion host shutoff protein UL41 probably to ensure necessary levels of key cellular mRNAs and proteins. Plays a role in microtubule reorganization that occurs after viral infection by stabilizing microtubule network.

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