

## Vaccinia virus (strain Western Reserve) OPG190 Protein (E. coli, His)

### General Information

Synonyms: PS/HR;Plaque-size/host range protein;OPG190;Protein OPG190

Protein Construction: 18-279 aa

Species: VACV

Expression Host: E. coli

Accession: Q01227

Molecular Weight: 33.2 kDa (predicted)

AA Sequence: YSTCTVPTMNNAKLTSTETSFNNDKQKVTFCTDQGYHSSDPNAVCECTDKWKYENPCKKMCTVSDYISELYNKP  
LYEVNSTMTLSCNGETKYFRCEEKNGNTSWNDTVTCPNAECQPLQLEHGSCQPVKEKYSFGEYMTINCDVGY  
EVIGASYISCTANSWNVIPSCQQKCDMPSLSNGLISGSTFSIGGVIHLCKSGFTLTGSPSSTCIDGKWNPVLPIC  
VRTNEEFDPVDDGPDDDETDLKLSKDVVQYEQIEISLEATYH

### 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: > 85% 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

Plays a role in the dissolution of the outermost membrane of extracellular enveloped virions (EV) to allow virion entry into host cells. Participates also in wrapping mature virions (MV) to form enveloped virions (EV).

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