

## Vaccinia virus (strain Copenhagen) OPG105 Protein (His & SUMO)

### General Information

|                       |  |
|-----------------------|--|
| Synonyms:             | OPG105;Cell surface-binding protein OPG105;Carbonic anhydrase homolog  |
| Protein Construction: | 1-304 aa   |
| Species:              | VACV   |
| Expression Host:      | E. coli  |
| Accession:            | P20508   |
| Molecular Weight:     | 51.3 kDa (predicted)   |
| AA Sequence:          | MPQQLSPINIETKKAISNARLKPLDIHYNESKPTTIQNTGKLVIRINFKGGYISGGFLPNEYVLSSLHIYWGKEDD<br>YGSNHLIDVYKYSGEINLVHWNKKKYSSYEEAKKHDDGLIISIFLQVSDHKNVYFQKIVNQLDSIRSANTSAPF<br>DSVFYLDNLLPSTLDYFTYLGTTIKHSADAVWIIFPTPINIHSDQLSKFRTLLSSSNHDGKPPYYITENYRNPYKLN<br>DDTQVYYSGEIRAATTSPARENIFMRWLSDLRETCFSYYQKIEGNKTFAIIVFVIFILTAILFLMSRRYSREKQ<br>N |

### 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

Binds to chondroitin sulfate on the cell surface to provide virion attachment to target cell.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481