

Human herpesvirus 1 (HHV-1) (strain KOS) glycoprotein L/gL Protein (His & Myc & SUMO)

General Information

Synonyms: gL;Envelope glycoprotein L

Protein Construction: 23-224 aa

Species: HHV-1

Expression Host: E. coli

Accession: Q96912

Molecular Weight: 42.7 kDa (predicted)

AA Sequence: STEYVIRSRVAREVGDILKVPVPLPSDDLWRYETPSAINYALIDGIFLRYHCPGLDTVLWDRHAQKAYWVN
PFLFVAGFLEDLSHPAFPANTQETETRLALYKEIRQALDSRKQAASHTPVKAGCVNFDYSRTRRCVGRQDLGP
TNGTSGRTPVLPDDEAGLQPKPLTTPPPPIIATSDPTPRRDAATKSRRRRPHSRRL

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

The heterodimer glycoprotein H-glycoprotein L is required for the fusion of viral and plasma membranes leading to virus entry into the host cell. Acts as a functional inhibitor of gH and maintains gH in an inhibited form. Upon binding to host integrins, gL dissociates from gH leading to activation of the viral fusion glycoproteins gB and gH.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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