





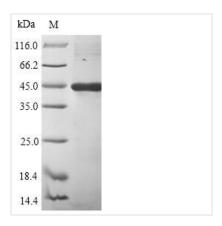
Recombinant Human herpesvirus 1 Envelope glycoprotein L (gL)

Product Code	CSB-EP836165HSP
Relevance	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.
Abbreviation	Recombinant Human herpesvirus 1 gL protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q96912
Product Type	Recombinant Protein
Immunogen Species	Human herpesvirus 1 (strain KOS) (HHV-1) (Human herpes simplex virus 1)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	STEYVIRSRVAREVGDILKVPCVPLPSDDLDWRYETPSAINYALIDGIFLRYHCP GLDTVLWDRHAQKAYWVNPFLFVAGFLEDLSHPAFPANTQETETRLALYKEIR QALDSRKQAASHTPVKAGCVNFDYSRTRRCVGRQDLGPTNGTSGRTPVLPP DDEAGLQPKPLTTPPPIIATSDPTPRRDAATKSRRRRPHSRRL
Research Area	others
Source	E.coli
Target Names	gL
Protein Names	Recommended name: Envelope glycoprotein L Short name= gL
Expression Region	23-224aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-SUMO-tagged and C-terminal Myc-tagged
Mol. Weight	42.7kDa
Protein Length	Full Length of Mature Protein
Image	

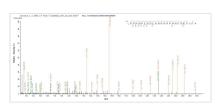
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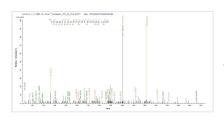




(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of E.coli host and target protein, the LC-MS/MS Analysis result of CSB-EP836165HSP could indicate that this peptide derived from E.coli-expressed Human herpesvirus 1 (strain KOS) (HHV-1) (Human herpes simplex virus 1) gL.



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Description

Dive into the complexities of virology research with our Recombinant Human herpesvirus 1 Envelope glycoprotein L, a crucial protein that offers insights into viral entry and immune evasion mechanisms in Human herpesvirus 1 (HHV-1) infections. Envelope glycoprotein L, encoded by the gL (UL1) gene, is a vital component of the Human herpesvirus 1 (strain KOS) life cycle, playing essential roles in cell entry and other aspects of viral pathogenesis.

Our Recombinant Human herpesvirus 1 Envelope glycoprotein L is produced in E.coli expression systems, representing the full length of the mature protein, spanning the 23-224 amino acid expression region. This protein features both an N-terminal 10xHis-SUMO tag and a C-terminal Myc tag, facilitating efficient purification and detection processes. With a purity greater than 90% as determined by SDS-PAGE, our recombinant protein ensures consistency and reliability in your experiments. The product is available in liquid or lyophilized powder form, providing versatility for various research applications.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.



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