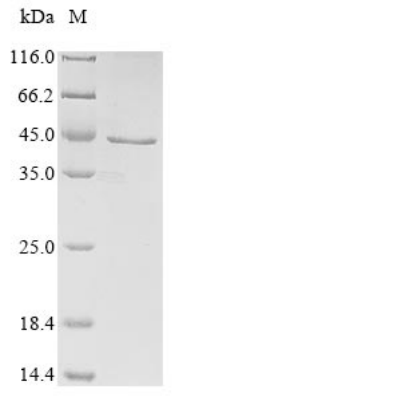
Recombinant Human herpesvirus 1 Envelope glycoprotein D (gD), partial

Product Code	CSB-EP382935HSP1
Abbreviation	Recombinant Human herpesvirus 1 gD protein, partial
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.	A1Z0Q5
Form	Liquid or Lyophilized powder
Storage Buffer	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose.
Product Type	Recombinant Protein
Immunogen Species	Human herpesvirus 1 (strain KOS) (HHV-1) (Human herpes simplex virus 1)
Purity	Greater than 85% as determined by SDS-PAGE.
Sequence	KYALADASLKMADPNRFRGKDLPVLDQLTDPPGVRRVYHIQAGLPDPFQPPSL PITVYYAVLERACRSVLLNAPSEAPQIVRGASEDVRKQPYNLTIAWFRMGGNC AIPITVMEYTECSYNKSLGACPIRTQPRWNYYDSFSAVSEDNLGFLMHAPAFE TAGTYLRLVKINDWTEITQFILEHRAKGSCKYALPLRIPPSACLSPQAYQQGVT VDSIGMLPRFIPENQRTVAVYSLKIAGWHGPKAPYTSTLLPPELSETPNATQPE LAPEDPEDSALLEDPVGTVAPQIPPNWHIPSIQDAATPYHPPATPNNM
Research Area	Microbiology
Source	E.coli
Target Names	gD
Expression Region	26-340aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 10xHis-tagged and C-terminal Myc-tagged
Mol. Weight	42.3 kDa
Protein Length	partial
Image	



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

Description

In e.coli cells, the generation of the recombinant Human herpesvirus 1 (strain KOS) Envelope glycoprotein D includes integrating a DNA fragment encoding the Human herpesvirus 1 (strain KOS) Envelope glycoprotein D (26-340aa) into a plasmid vector and transforming this vector into e.coli cells. Cells containing the plasmid are screened, cultured, and induced to yield the Envelope glycoprotein D. A N-terminal 10xHis tag and C-terminal Myc tag is attached to the protein. Lysis of the cells facilitates the collection of the recombinant Human herpesvirus 1 (strain KOS) Envelope glycoprotein D, which is subjected to affinity purification and then SDS-PAGE analysis and subsequent staining of the gel with Coomassie Brilliant Blue. The purity of the obtained recombinant Human herpesvirus 1 (strain KOS) Envelope glycoprotein D is greater than 85%.

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

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