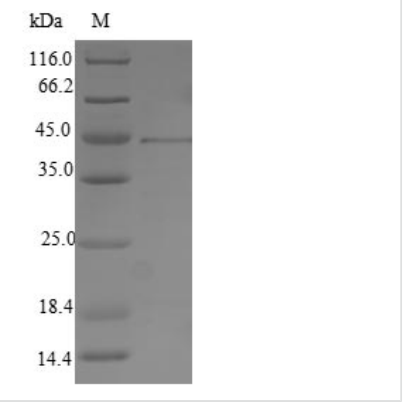
Recombinant Human herpesvirus 2 Envelope glycoprotein B (gB),Partial

Product Code	CSB-EP362479HJX
Relevance	Envelope glycoprotein that forms spikes at the surface of virion envelope. Essential for the initial attachment to heparan sulfate moities of the host cell surface proteoglycans. Involved in fusion of viral and cellular membranes leading to virus entry into the host cell. Following initial binding to its host receptors, membrane fusion is mediated by the fusion machinery composed at least of gB and the heterodimer gH/gL. May be involved in the fusion between the virion envelope and the outer nuclear membrane during virion egress.
Abbreviation	Recombinant Human herpesvirus 2 gB 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.	P08666
Product Type	Recombinant Protein
Immunogen Species	Human herpesvirus 2 (strain HG52) (HHV-2) (Human herpes simplex virus 2)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	APAAPAAPRASGGVAATVAANGGPASRPPPVPSPATTKARKRKTKKPPKRPE ATPPPDANATVAAGHATLRAHLREIKVENADAQFYVCPPPTGATVVQFEQPRR CPTRPEGQNYTEGIAVVFKENIAPYKFKATMYYKDVTVSQVWFGHRYSQFMGI FEDRAPVPFEEVIDKINTKGVCRSTAKYVRNNMETTAFHRDDHETDMELKPAK VATRTSRGWHTTDLKYNPSRVEAFHRYGTTVNCIVEEVDARSVYPY
Research Area	others
Source	E.coli
Target Names	gB
Expression Region	23-279aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-SUMO-tagged
Mol. Weight	44.4kDa
Protein Length	Partial
Image	



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

Description

Unlock the potential of virology research with our Recombinant Human herpesvirus 2 Envelope glycoprotein B, an essential protein for understanding the viral fusion process and immune evasion mechanisms in Human herpesvirus 2 (HHV-2) infections. Envelope glycoprotein B, encoded by the gB (UL27) gene, plays a critical role in the Human herpesvirus 2 (strain HG52) life cycle, particularly in viral entry and cell fusion events.

Our Recombinant Human herpesvirus 2 Envelope glycoprotein B is produced in E.coli expression systems, representing a partial length of the protein, covering the 23-279 amino acid expression region. This protein is equipped with an N-terminal 6xHis-SUMO tag, facilitating effective purification and detection processes. With a purity greater than 90% as determined by SDS-PAGE, our recombinant protein ensures reliability and reproducibility in your experiments. The product is available in liquid or lyophilized powder form, providing adaptability 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.
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.