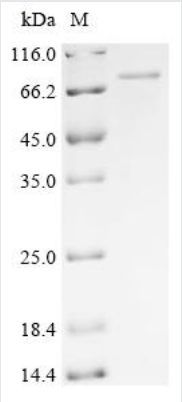
Nvelope Glycoprotein L (gL) Murid Herpesvirus 1 E Recombinant Protein

PRODUCT OVERVIEW

Product Name	nvelope glycoprotein L (gL), Recombinant Protein
Full Product Name	Recombinant Murid herpesvirus 1 Envelope glycoprotein L (gL), Biotinylated
Product Gene Name	gL recombinant protein
Product Synonym Names	gL
Sequence	QESPVAGERR ALDLTTVYVL PRSEPINATV EHKCREALAS CYNGSEFQPL HDDGPIRPDP YRFSTMIRFK RSYGELPLPI ELNDEFLEQL SLLHNNTDQL RVLLTLMRTS RASDWMSFLG GYTQCDAPKS VVFTCVESVC YEHDLMRLNY TTDLFTENVL GLDVSPPVLS VLVLLRNNHT KAESVVRVPT SSMSLLDGTY NLLRTILGHM SLDTDLIGVL RSYRDRFPAV FSVSDQIKIT RQHYRPQYQR KRP
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Liquid or Lyophilized powder 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, pH 8.
Purity/Purification	Greater than 85% as determined by SDS-PAGE. (lot specific)
Preparation and 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 degree C/-80 degree C. The shelf life of lyophilized form is 12 months at -20 degree C/-80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	31,221 Da
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for P52514
Species	Murid herpesvirus 1 (strain Smith)(MuHV-1)(Mouse cytomegalovirus)
Tag	N-terminal MBP-tagged and C-terminal6xHis-Avi-tagged
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 degree C/-80 degree C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Product Categories/Family for gL recombinant protein	Signal Transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for gL recombinant protein	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.
Other Notes	Small volumes of gL recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

Searchable Terms for gL purchase	MBS9021799 is a recombinant protein targeting gL. Also known as Recombinant Murid herpesvirus 1 Envelope glycoprotein L (gL), Biotinylated. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.



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

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for gL. It may not necessarily be applicable to this product.

NCBI GI #	61660219
NCBI GeneID	3293865
NCBI Accession #	YP_214110.1
UniProt Primary Accession #	P52514
GenBank Nucleotide #	NC_004065.1
NCBI Official Full Name	Glycoprotein L
NCBI Official Symbol	MuHV1_gp102
UniProt Protein Name	Envelope glycoprotein L
Protein Family	Envelope glycoprotein
UniProt Gene Name	gL
UniProt Synonym Gene Names	gL
NCBI Protein Information	UL115 (gL)
Research Articles on gL	**1.** Data suggest that MCK2 (murine cytomegalovirus chemokine), by forming a complex with glycoprotein L and glycoprotein H, promotes macrophage infection (virus internalization).
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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