Envelope Glycoprotein B (gB) Human Cytomegalovirus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Envelope glycoprotein B (gB), Recombinant Protein
Full Product Name	Recombinant Human cytomegalovirus Envelope glycoprotein B (gB)
Product Gene Name	gB recombinant protein
Sequence	TINQTSVKVL RDMNVKESPG RCYSRPVVIF NFANSSYVQY GQLGEDNEI LLGNHRTEEC QLPSLKIFIA GNSAYEYVDY LFKRM
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	102,004 Da
Sequence Positions	552-635aa; full length protein
3D Structure	ModBase 3D Structure for P06473
Species	Human cytomegalovirus (strain AD169) (HHV-5) (Human herpesvirus 5)
Product Categories/Family for gB recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for gB recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for gB recombinant protein	MBS7038006 is a recombinant protein targeting gB. Also known as Recombinant Human cytomegalovirus Envelope glycoprotein B (gB). Host: Cell Free Expression.
Other Notes	Small volumes of gB 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.

ADDITIONAL DETAILS

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

NCBI GI #	138192
NCBI Accession #	P06473.1
UniProt Primary Accession #	P06473
UniProt Secondary Accession #	Q7M6M8
NCBI Official Full Name	Envelope glycoprotein B
UniProt Protein Name	Envelope glycoprotein B
Protein Family	Envelope glycoprotein
UniProt Gene Name	gB

UniProt Synonym Gene Names	gB
UniProt Entry Name	GB_HCMVA
UniProt Comments for gB	Envelope glycoprotein that plays a role in host cell entry, cell to-cell virus transmission, and fusion of infected cells. May be involved in the initial attachment via binding to heparan sulfate together with the gM/gN complex that binds heparin with higher affinity. Interacts with host integrin ITGB1, PDGFRA and EGFR that likely serve as postattachment entry receptors. Participates also in the fusion of viral and cellular membranes leading to virus entry into the host cell. Membrane fusion is mediated by the fusion machinery composed at least of gB and the heterodimer gH/gL.
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.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/envelope-glycoprotein-b/7038006