Pre-Glycoprotein Polyprotein Gp Complex (GPC) Tacaribe Virus Recombinant Protein

PRODUCT OVERVIEW

Product Name	Pre-glycoprotein polyprotein GP complex (GPC), Recombinant Protein
Full Product Name	Recombinant Tacaribe virus Pre-glycoprotein polyprotein GP complex (GPC)
Product Gene Name	GPC recombinant protein
Product Synonym Gene Name	GP-C
Sequence	AFFSWSLTDP LGNEAPGGYC LEKWMLVASE LKCFGTLQCQ VQPKSRLRVC DMLRLFDYNK NAIKTLNEET KTRVNVLSHT INALISDNLL MKNKIRELMS VPYCNYTRFW YVNHTLSGQH SLPRCWMIRN NSYLNSSEFR NEWILESDFL ISEMLSKEYS ERQGRTPITL VDICFWSTEF FISTLFLHLI GFPTHEHIRG EGCPLPHRLN SMGGCRCGKY LPLKKPTIWH RRH
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	55,607 Da
Sequence Positions	250-482aa; full length protein
3D Structure	ModBase 3D Structure for P31842
Species	Tacaribe virus (strain V7) (TCRV)
Product Categories/Family for GPC recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for GPC recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for GPC recombinant protein	MBS7016016 is a recombinant protein targeting GPC. Also known as Recombinant Tacaribe virus Pre-glycoprotein polyprotein GP complex (GPC). Host: Cell Free Expression.
Other Notes	Small volumes of GPC 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 GPC. It may not necessarily be applicable to this product.

NCBI GI #	401359
NCBI Accession #	P31842.1
UniProt Primary Accession #	P31842
NCBI Official Full Name	Pre-glycoprotein polyprotein GP complex
UniProt Protein Name	Pre-glycoprotein polyprotein GP complex
Protein Family	Pre-glycoprotein polyprotein

UniProt Gene Name	GPC
UniProt Synonym Gene Names	GP-C; Pre-GP-C; SSP; GP1; GP2
UniProt Entry Name	GLYC_TACV7
UniProt Comments for GPC	The stable signal peptide (SSP) is cleaved and functions as a signal peptide. In addition, it is apparently retained as the third component of the GP complex. The SSP is required for efficient glycoprotein expression, post-translational maturation cleavage of GP1 and GP2, glycoprotein transport to the cell surface plasma membrane, formation of infectious virus particles, and acid pH-dependent glycoprotein-mediated cell fusion ().
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