Glycoprotein N (GN) Suid Herpesvirus 1 Recombinant Protein

PRODUCT OVERVIEW

Product Name	Glycoprotein N (GN), Recombinant Protein
Full Product Name	Recombinant Suid herpesvirus 1 Glycoprotein N (GN)
Product Gene Name	GN recombinant protein
Sequence	SIVSTEGPLP LLREESRINF WNAACAARGV PVDQPTAAAV TFYICLLAVL VVALGYATRT CTRMLHASPA GRRV
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	10,155 Da
Sequence Positions	25-98aa; full length protein
3D Structure	ModBase 3D Structure for Q87088
Species	Suid herpesvirus 1 (strain Kaplan) (SuHV-1) (Pseudorabies virus (strain Kaplan))
Product Categories/Family for GN recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for GN recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for GN recombinant protein	MBS7015915 is a recombinant protein targeting GN. Also known as Recombinant Suid herpesvirus 1 Glycoprotein N (GN). Host: Cell Free Expression.
Other Notes	Small volumes of GN 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 GN. It may not necessarily be applicable to this product.

NCBI GI #	51557491
NCBI GeneID	2952538
NCBI Accession #	YP_068325.1
UniProt Primary Accession #	Q87088
GenBank Nucleotide #	NC_006151.1
NCBI Official Full Name	envelope glycoprotein N
NCBI Official Symbol	UL49.5
UniProt Protein Name	Glycoprotein N

Protein Family	ARF guanine-nucleotide exchange factor
UniProt Gene Name	GN
UniProt Synonym Gene Names	gN
UniProt Entry Name	GN_SUHVK
NCBI Protein Information	type 1 membrane protein; contains a signal peptide; complexed with envelope glycoprotein M
UniProt Comments for GN	Envelope glycoprotein necessary for proper maturation of gM and modulation of its membrane fusion activity. Plays also a critical role in virion morphogenesis.
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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