Product Data Sheet

Product Name:	HSV-2 gB
Cat. No.:	GP25216
Batch No.:	1

Product Data

Purity	>98%	Source	Escherichia Coli.
Phycical Appearance	solid	Shipping Condition	Shipped with Ice Pa

Amino Acid Sequence MIAPYKFKATMYYKDVTVSQVWFGHRYSQFMGIFEDRAPVPFEEVIDKINAKGVCRST AKYVRNNLETTAFHRDDHETDMELKPANAATRTSRGWHTTDLKYNPSRVEAFHRYGTTVNCIVEEVDARSVYPYDEFVLATGDFVYMSPFYGYREGSH

Formulation 10mM Phosphate buffer pH 7.6 and 75mM NaCl.

Introduction

Entry of HSV into the host cell involves interactions of several viral glycoproteins with cell surface receptors. The virus particle is covered by an envelope which, when bound to specific receptors on the cell surface, will fuse with the cell membrane and create an opening, or pore, through which the virus enters the host cell. The sequential stages of HSV entry are analagous to those of other viruses. At first, complementary receptors on the virus and cell surface bring the two membranes into proximity. In an intermediate state, the two membranes begin to merge, forming a hemifusion state. Finally, a stable entry pore is formed through which the viral envelope contents are introduced to the host cell.

Stability

HSV-2 gB although stable at 4°C for 1 week, should be stored below -18°C .

Background

The E.Coli derived HSV-2 gB recombinant protein is fused to a Six histidine tag at C-terminus and has a MW of 82kDa (pI 8.35).

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