Datasheet for ABIN7121361

HSV1 gD Protein (His tag)

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Overview

Quantity:	50 µg
Target:	HSV1 gD
Origin:	Herpes Simplex Virus (HSV)
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HSV1 gD protein is labelled with His tag.

Product Details

Purpose:	HSV-1 (strain 17) Envelope Glycoprotein D (gD), His Tag (MALS verified)
Sequence:	Lys 26 - Thr 310
Characteristics:	HSV-1 (strain 17) Envelope Glycoprotein D (gD), His Tag (GLD-V52H3) is expressed from human 293 cells (HEK293). It contains AA Lys 26 - Thr 310 (Accession # Q69091-1).
Purity:	>90 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	HSV1 gD
Alternative Name:	HSV-1 (strain 17) Envelope Glycoprotein D (gD) (HSV1 gD Products)
Background:	Synonyms: Glycoprotein D, gD,

Target Details

	Description: Herpesvirus infections are widely spread throughout the world population. Herpes simplex virus (HSV) belongs to the α-herpesvirus subfamily. There are two main types of HSV, HSV-1 and HSV-2, which infect humans. HSV-2 mainly causes genital lesions, whereas HSV-1 is involved in both oral and genital infections. Glycoprotein D (gD) is a structural component of the herpes simplex virus type 1 (HSV-1) envelope which is essential for virus entry and fusion with host cells. gD plays an important role by binding to the host receptors such as herpes virus entry mediator (HVEM) and nectin-1, a member of the immunoglobulin (Ig)-like cell adhesion molecules.
Molecular Weight:	33.5 kDa
NCBI Accession:	YP_009137141

Application Details

Application Notes:	This protein carries a polyhistidine tag at the C-terminus. The protein has a calculated MW of 33.5 kDa. The protein migrates as 40-50 kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	PBS, pH 7.4
Storage:	-20 °C
Storage Comment:	-20°C

