



Recombinant Powassan Virus NS1 Protein [His] (DAGC026)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Recombinant Powassan Virus NS1 protein produced in mammalian HEK293 cells, incorporating a C-terminal 6x His-tag.
Species	POWV
Purity	> 95% pure by SDS-PAGE
Conjugate	His
Molecular Weight	~ 50kDa
Stability	At 4°C: 1 month. At -80°C: 1 year
Format	Liquid, 0.2µm filter sterilised.
Concentration	0.72mg/ml
Size	100 µg, 500 µg
Buffer	20mM Tris, pH 8.0, 145mM NaCl
Storage	Short term: 2-8°C; Long term: -80°C. Can be frozen, avoid multiple freeze/thaw cycles.

BACKGROUND

Introduction	Powassan virus (POWV) is a positive-sense single-stranded RNA virus that belongs to the genus Flavivirus, a member of the Flaviviridae family of viruses. It is an arthropod-borne virus that is transmitted by infected ticks to small/medium sized mammals, which act as reservoirs for the virus. Different tick species transmit POWV including hard ticks, of the family Ixodidae, and
---------------------	---

the tick species varies according to the geographical region. POWV can also be transmitted to humans, which are incidental, dead-end, hosts for the virus.

POWV NS1 protein 1 (Non-Structural protein 1) has been manufactured in response to the unmet need for highly purified, concentrated protein for use in serological based diagnostic assays.

Keywords

Powassan virus; POWV; POWV NS1; Powassan virus NS1
