



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, 0.2um 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
