

ARG70784

Dengue virus NS1 recombinant protein (His-tagged, C-ter)

Package: 100 µg, 20 µg

Store at: -20°C

Summary

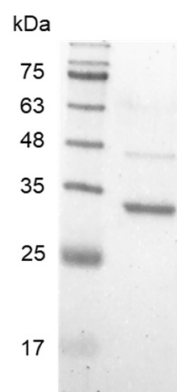
Product Description	E. coli expressed, His-tagged (C-ter) Dengue virus NS1 recombinant protein
Tested Application	SDS-PAGE
Target Name	Dengue virus NS1
Species	Virus
A.A. Sequence	Asp776 - Ala1127
Expression System	E. coli
Alternate Names	Dengue virus NS1 antibody; Dengue virus nonstructural glycoprotein NS1 antibody

Properties

Form	Powder
Purity	> 98% (by SDS-PAGE)
Buffer	PBS (pH 8.0)
Reconstitution	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 200 µg/mL and incubate the stock solution for at least 20 min at room temperature to make sure the protein is dissolved completely.
Storage instruction	For long term, lyophilized protein should be stored at -20°C or -80°C. After reconstitution, aliquot and store at -20°C or -80°C for up to one month. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DENV_gp1
Gene Full Name	Dengue virus nonstructural protein 1
Background	Dengue virus NS1 protein is a nonstructural protein which could be secreted and have been developed as diagnostic biomarker for early detection. There are several forms of NS1 including monomer, dimer, and hexamer during infection. Dimeric NS1 can be anchored to cell membranes with glycosyl-phosphatidylinositol (GPI). Hexameric NS1 can be secreted and detected in patients' blood samples (up to 50 µg/mL) or infected cell supernatants (various from ng/mL to µg/mL depend on serotypes and strains). Studies have shown that NS1 could interfere complement activity and prothrombin activation. In addition, NS1 could elicit antibodies which cross-react with host antigens including coagulation factors and molecules expressed in endothelial cells and platelets through molecular mimic.
Function	Dengue virus (DENV) non-structural protein 1 (NS1) is involved in virus replication and regulation of the innate immune response. Soluble and membrane-associated NS1 may activate human complement and induce host vascular leakage. This effect might explain the clinical manifestations of dengue hemorrhagic fever and dengue shock syndrome. [Uniprot]



ARG70784 Dengue virus NS1 recombinant protein (His-tagged, C-ter)
SDS-PAGE image

SDS-PAGE analysis of ARG70784 Dengue virus NS1 recombinant protein (His-tagged, C-ter).