abcam

Product datasheet

Recombinant Dengue virus 2 Dengue Virus 2 envelope protein ab180271

1 Image

Description

Product name	Recombinant Dengue virus 2 Dengue Virus 2 envelope protein
Purity	> 95 % SDS-PAGE. ab180271 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Accession	Q88631
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Dengue virus 2
Sequence	MGSSHHHHHHSSGLVPRGSHMGSSYSMCTGKFKVVKEI AETQHGTIVIRV QYEGDGSPCKIPFEIMDLEKRHVLGRLITVNPIVTEKDSPV NIEAEPPFG DSYIIIGVEPGQLKLNWFKKGSSIGQ
Predicted molecular weight	14 kDa including tags
Amino acids	298 to 400
Tags	His tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab180271** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8.00

Constituents: 0.32% Tris HCl, 0.88% Sodium chloride, 10% Glycerol (glycerin, glycerine), 0.02% DTT

General Info

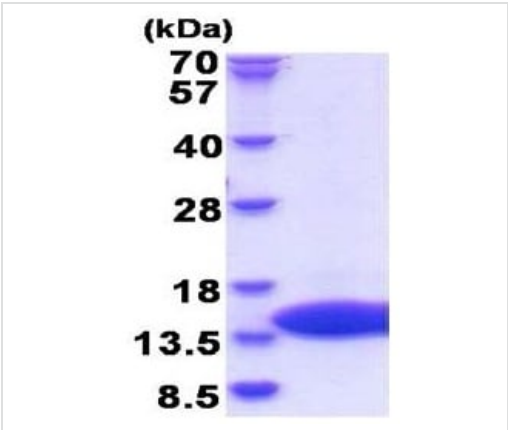
Relevance

Dengue fever and dengue hemorrhagic fever (DHF) are acute febrile diseases, found in the tropics, with a geographical spread similar to malaria. Caused by one of four closely related virus serotypes of the genus Flavivirus, family Flaviviridae, each serotype is sufficiently different that there is no cross-protection and epidemics caused by multiple serotypes (hyperendemicity) can occur. Dengue is transmitted to humans by the mosquito Aedes aegypti (rarely Aedes albopictus). Envelope protein E binds cell surface receptor and is involved in membrane fusion between virion and target cell. Synthesized as an homodimer with prM which acts as a chaperone for envelope protein E. After cleavage of prM, envelope protein E dissociate from small envelope protein M and homodimerizes.

Cellular localization

Virion membrane; Single-pass type I membrane protein

Images



SDS-PAGE - Recombinant Dengue Virus 2 Dengue Virus 2 envelope protein (ab180271)

15% SDS-PAGE (3 µg)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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