

Recombinant DENV Envelope Protein (Gly534-Gln635) (Type 2, Strain New Guinea C/PUO-218 hybrid), His-tagged

Cat. No. E-729D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant DENV (Dengue virus) E (Envelope) Protein (type 2, strain New Guinea C/PUO-218 hybrid (AAC59274.1) (Gly534-Gln635) was produced by Yeast expression system. This protein was expressed with a polyhistidine tag at the C-terminus.
Species	DENV
Source	Yeast
ProteinLength	Gly534-Gln635
Predicted N Terminal	Gly 534
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant the envelope protein of Dengue virus (DENV)(type 2, strain New Guinea C/PUO-218 hybrid consists of 152 amino acids and predicts a molecular mass of 17.1 kDa.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.

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Storage	Store it under sterile conditions at -20 centigrade to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
Shipping	In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

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