

Recombinant Dengue virus (DENV) (type 2, strain New Guinea C/PUO-218 hybrid) Envelope Protein (Thr76Arg, Gln77Glu, Trp101Arg, Leu107Arg), His-tagged

Cat. No. Envelope-350D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dengue virus (DENV) (type 2, strain New Guinea C/PUO-218 hybrid) E (AAC59274.1, with mutation Thr 76 Arg, Gln 77 Glu, Trp 101 Arg, Leu 107 Arg) (Met281-Gly679), fused with a polyhistidine tag at the C-terminus, was expressed in Baculovirus-Insect Cells.
Species	DENV
Source	Insect Cells
ProteinLength	281-679 a.a.
Predicted N Terminal	Met
Form	Lyophilized from sterile 20 mM Tris, 300 mM NaCl, pH 8.5, 10 % glycerol, 5% trehalose, 5% mannitol and 0.01% Tween80.
Molecular Mass	The recombinant Dengue virus (DENV) (type 2, strain New Guinea C/PUO-218 hybrid) E consists of 410 amino acids and predicts a molecular mass of 45.7 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. 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 0.25 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.
GENE INFORMATION	
Official Symbol	Envelope
Synonyms	Envelope; E Protein
Protein Refseq	AAC59274.1

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