



# Recombinant DENV Type 1 EP (aa 281-675) [His] (DAGA-2002)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Dengue Type 1 EP Recombinant Dengue Type 1 Envelope Protein (EP) (a.a. 281-675) Recombinant Product contains Histidine tag. Molecular Weight: ~ 50 kDa
<b>Antigen Description</b>	Dengue virus is a major threat to health in tropical countries around the world. It is limited primarily to the tropics because it is transmitted by a tropical mosquito, but even with this limitation, 50-100 million people are infected each year. Dengue virus enters a host cell when the viral envelope glycoprotein, E, binds to a receptor and responds by conformational rearrangement to the reduced pH of an endosome. The conformational change induces fusion of viral and host-cell membranes.
<b>Species</b>	DENV
<b>Purity</b>	> 85% Pure (SDS-PAGE).
<b>Conjugate</b>	His
<b>Applications</b>	Suitable for use in ELISA and Lateral Flow. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
<b>Molecular Weight</b>	50 kDa
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	Batch dependent - please inquire should you have specific requirements
<b>Size</b>	1 mg

**Buffer** Phosphate Buffered Saline, pH 7.4

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**Preservative** 0.09% Sodium Azide

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**Storage** Store at -20°C

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## BACKGROUND

**Keywords** Flaviviridae;Flavivirus;Dengue virus;Dengue Virus Type 1;DENV;DENV EP;Dengue virus envelope protein E;Dengue virus envelope glycoprotein E;DENV Type 1 EP;DENV-1 EP

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