

Recombinant DENV4 E Protein, His-tagged

Cat. No. E-07D Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Dengue virus serotype 4 E protein (280-673) incorporating a C-terminal 6×His-tag expressed in mammalian HEK293 mammalian cells, at greater than 95% purity, separated from the protein by a Gly6 linker. Dengue virus serotype 4 Envelope protein is engineered in human cells using state-of-the-art expression and purification techniques, purified by IMAC and IEX chromatography.
Species	DENV4
Source	HEK293
ProteinLength	280-673
Description	Dengue virus is a member of the flavivirus family, which includes Zika virus, West Nile virus and Japanese Encephalitis virus. Many of the proteins expressed by these viruses are very similar, and serological testing for these viruses can be complicated by problems of cross-reactivity. In this context, the use of highly purified antigens, that are glycosylated and folded as native proteins can be highly important in the development of accurate immunoassays.
Form	Liquid, filtered through 0.4 µm
Molecular Mass	55 kDa
Purity	> 95%

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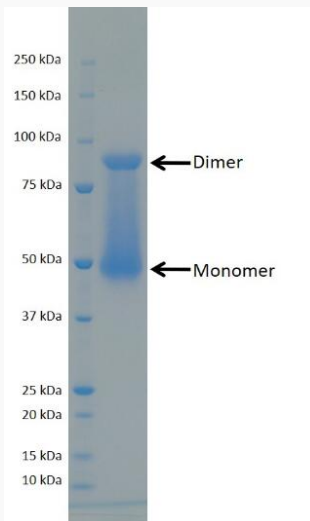
Storage

Short Term Storage: +4 centigrade
 Long Term Storage: -80 centigrade
 Avoid excessive mixing or shocking to prevent aggregation. Long term storage above -80 centigrade may result in aggregate formation and/or degradation.
 Can be frozen, but avoid multiple freeze-thaw cycles.

Storage Buffer 20mM Tris-HCl, 110mM sodium chloride, pH7.8.

Shipping Dry ice

SDS-PAGE



Reducing SDS-PAGE gel showing purified Dengue virus serotype 4 Envelope protein. The protein runs primarily as a monomer of approximately 45kDa, with dimer running at around 90kDa.

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