

Recombinant Dengue virus 2 Envelope protein, His-tagged

Cat. No. Envelope 2-581D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dengue virus 2 Envelope(aa 298-400) fused with His tag at the N-terminus was expressed in E. coli.
Species	DENV
Source	E.coli
ProteinLength	298-400 a.a.
Description	Envelope protein E takes part in membrane fusion between virion and host late endosomes. Virus Envelope 2 is synthesized as a homodimer with prM which plays a role as a chaperone for envelope protein E. Envelope protein E departs from small envelope protein M and homodimerizes after cleavage of prM.
Form	The Dengue Envelope 2 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.
Molecular Mass	13.8kDa
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSYSMCTG KFKVVKEIAE TQHGTIVIRV QYEGDGSPCK IPFEIMDLEK RHLVGLRLITV NPIVTEKDSP VNIEAEPPFG DSYIIIGVEP GQLKLNWFKK GSSIGQ.
Purity	Greater than 95% as determined by SDS-PAGE.

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Storage

Store at 4 centigrade if entire vial will be used within 2-4 weeks. Store, frozen at -20 centigrade for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

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