Recombinant Human DENV_gp1, His-tagged

Cat. No. DENV_gp1-262H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	DENV, 298-400aa, Dengue virus 2, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	298-400aa
Description	Envelope protein E binding to host cell surface receptor is followed by virus internalization through clathrin-mediated endocytosis. Envelope protein E is subsequently involved in membrane fusion between virion and host late endosomes. This protein is synthesized as a homodimer with prM which acts as a chaperone for envelope protein E. After cleavage of prM, envelope protein E dissociate from small envelope protein M and homodimerizes. Recombinant Dengue virus DENV protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.15M NaCl, 10% glycerol, 1mM DTT
Molecular Mass	13.8 kDa (126aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSSYSMCTG KFKVVKEIAE TQHGTIVIRV QYEGDGSPCK IPFEIMDLEK RHVLGRLITV NPIVTEKDSP VNIEAEPPFG DSYIIIGVEP GQLKLNWFKK GSSIGQ

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Purity	>95% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml (determined by Bradford assay)

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