Recombinant Dengue Virus Subtype-4 Envelope, 6×His tagged

Cat. No. Envelope-02D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dengue Virus Subtype 4 Envelope produced in E.coli and fused with a 6×His Tag, containing domains I+II of the dengue envelope.
Species	DENV4
Source	E.coli
Description	Dengue fever is affected by 1 of 4 closely linked virus serotypes of the genus Flavivirus, family Flaviviridae. One might have dengue fever infected by the different serotype virus after the primary infection. Detection of particular antibodies to dengue viruses is used for the diagnosis in clinic. Recently, lateral flow rapid test products have become a most suitable and known method in the clinical diagnosis. Though, there is difficulty for manufacturers to have the dengue antigens with a whole coverage for Dengue IgG & IgM recognition for all 4 serotype infections as well as with colloid gold binding ability. 8 dengue antigens have been established for the lateral flow products which are well defined for their coverage of dengue IgG & IgM recognition. The researcher can select the products below based on their own specific application.
Molecular Mass	32 kDa
Purity	>95% pure as determined by 10% PAGE (coomassie staining).
Applications	Can be used for lateral flow & ELISA assay.

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Usage	Our products are furnished for LABORATORY RESEARCH USE ONLY. They may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Stability	Dengue Envelope-4 32kDa although stable at 4 centigrade for 1 week, should be stored below -18 centigrade. Please prevent freeze thaw cycles.
Storage Buffer	Phosphate buffered saline, pH 7.4.

GENE INFORMATION

Gene Name	POLY polyprotein [Dengue virus 4]
Official Symbol	POLY
Synonyms	POLY; polyprotein; polyprotein gene; polyprotein; capsid protein C; anchored capsid protein ancC; membrane glycoprotein precursor prM; membrane glycoprotein M; envelope protein E; nonstructural protein NS1; nonstructural protein NS2A; nonstructural protein NS2B; nonstructural protein NS3; nonstructural protein NS4A; protein 2K; nonstructural protein NS4B; RNA-dependent RNA polymerase NS5; protein pr
Gene ID	5075729
Protein Refseq	NP_073286
UniProt ID	P09866

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