Recombinant Japanese Encephalitis flavivirus polyprotein gene protein, His-tagged

Cat. No. flavivirus polyprotein gene-60E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The E.coli derived recombinant protein contains full length Japanese Encephalitis virus ENV antigen having an Mw of 50kDa. The protein is fused to a 6 histidines tag.
Species	Japanese encephalitis virus
Source	E.coli
Description	Japanese encephalitis previously known as Japanese B encephalitis is a virus from th e family Flaviviridae. it is closely related to the West Nile virus and St. Louis encephali tis virus. Positive sense single stranded RNA genome is packaged in the capsid, form ed by the capsid protein. The outer envelope is formed by envelope (E) protein and is the protective antigen. It aids in entry of the virus to the inside of the cell. The genome also encodes several nonstructural proteins also (NS1,NS2a,NS2b,NS3,N4a,NS4b,N S5). NS1 is produced as secretory form also. NS3 is a putative helicase, and NS5 is t he viral polymerase. It has been noted that the Japanese encephalitis virus (JEV) infe cts the lumen of the endoplasmic reticulum (ER) and rapidly accumulates substantial amounts of viral proteins for the JEV. Japanese Encephalitis is diagnosed by detectio n of antibodies in serum and CSF (cerebrospinal fluid) by IgM capture ELISA.
Form	20mM Tris-MES pH 6.5, 8M urea, 200mM NaCl and 0.05% Tween-20.
Molecular Mass	50kDa
Purity	Encephalitis protein is >90% pure as determined by SDS-PAGE (coomassie staining).

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Usage	The products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.
Specificity	Immunoreactive with sera of encephalitis virus infected individuals.
Storage	Encephalitis protein although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Shipping	Ice Packs
Full Length	Full L.

GENE INFORMATION

Gene Name	flavivirus polyprotein gene JEV polyprotein [Japanese encephalitis virus]
Official Symbol	flavivirus polyprotein gene
Synonyms	flavivirus polyprotein gene; JEV polyprotein; flavivirus polyprotein; core protein C; anchored core protein anchC; membrane glycoprotein precursor prM; membrane glycoprotein M; envelope protein E; non-structural protein NS1; non-structural protein NS2a; non-structural protein NS2b; non-structural protein NS3; non-structural protein NS4a; 2K protein; non-structural protein NS4b; RNA-dependent RNA polymerase NS5; protein pr
Gene ID	1489713
Protein Refseq	NP_059434.1
UniProt ID	P32886

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