



6352 CORTE DEL ABETO, STE B
CARLSBAD, CA 92011 USA
01.858.642.1988 • WWW.ATSBIO.COM

**Recombinant Tick-Borne Encephalitis Virus gE
VIRAL ANTIGEN**

Catalog Number: PRP-281
Quantity: 100 micrograms, 500 micrograms, 1 milligram
Format: 20mM MES pH 6.5, 8 M urea, 200 mM NaCl and 0.05% Tween-20
Host: *E. coli*

Background:

Tick-borne encephalitis (TBE) is caused by tick-borne encephalitis virus (TBEV), a member of the family Flaviviridae. TBE virus is closely related to the Russian spring-summer encephalitis virus (RSSEV) found in far eastern Eurasia. The family Flaviviridae includes other tick-borne viruses that are closely related to TBEV and RSSEV, such as Omsk hemorrhagic fever virus and Kyasanur forest virus. The Louping ill virus is also a member of this family.

Specificity and Preparation:

The recombinant tick-borne encephalitis virus (TBEV) glycoprotein E region (amino acids 95-229) is expressed in *E. coli*. It is purified by proprietary chromatographic techniques. The protein is >95% pure as determined by SDS-PAGE. The protein is immunoreactive with sera of encephalitis virus-infected individuals.

Usage and Storage:

Reported to be effective as an antigen in ELISA and immunoblotting (western blot). Protein may be shipped at ambient temperature. Upon arrival, store at -20°C. It is stable for up to five years frozen, one month in solution at room temperature. Gently spin down material before use; 5-10 seconds in a microfuge should be adequate.

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