

Recombinant EBV EBNA-1 Protein, GST-tagged

Cat. No. EBNA-1-001E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This protein does contain a GST-tag. The mosaic protein contains fragments of HHV-4 EBNA1 nuclear protein, amino acids: 1-90 and 408-498. The protein is purified by proprietary chromatographic technique.
Species	EBV
Source	E.coli
Description	Plays an essential role in replication and partitioning of viral genomic DNA during latent viral infection. During this phase, the circular double-stranded viral DNA undergoes replication once per cell cycle and is efficiently partitioned to the daughter cells. EBNA1 activates the initiation of viral DNA replication through binding to specific sites in the viral latent origin of replication, oriP. Additionally, it governs the segregation of viral episomes by mediating their attachment to host cell metaphase chromosomes. Also activates the transcription of several viral latency genes. Finally, it can counteract the stabilization of host p53/TP53 by host USP7, thereby decreasing apoptosis and increasing host cell survival.
Form	Liquid
Molecular Mass	46 kDa
Purity	> 95% by SDS-PAGE
Applications	Antigen in ELISA and Western blots, excellent antigen for detection of HHV-4 (EBV)

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with minimal specificity problems.

Storage	Store at -20 centigrade, avoid freeze/thaw cycles
Storage Buffer	50 mM Tris-HCl pH 8.0, 10 mM glutathione, 60 mM NaCl and 0.5% sarcosyl
Shipping	Shipped on gel packs.

GENE INFORMATION

Gene Name	EBNA-1 nuclear antigen EBNA-1 [Human gammaherpesvirus 4 (Epstein-Barr virus)]
Official Symbol	EBNA-1
Synonyms	EBNA-1; nuclear antigen EBNA-1; nuclear antigen EBNA-1
Gene ID	3783774
Protein Refseq	www.ncbi.nlm.nih.gov/protein/YP_401677.1
UniProt ID	P03211

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