

Recombinant EBV BKRF1 protein, His-tagged

Cat. No. BKRF1-54E **Lot. No.** (See product label)

SPECIFICATION

Product Overview The E.Coli derived recombinant protein contains the HHV-4 EBNA1 regions 408-641 amino acids having a molecular mass of 24.8kDa. The EBNA1 protein is fused to His Tag at N-terminus.

Species EBV

Source E.coli

ProteinLength 408-641 amino acids

Description The Epstein-Barr virus (EBV), also called Human herpes virus 4 (HHV-4), is a virus of the herpes family (which includes Herpes simplex virus and Cytomegalovirus. On infecting the B-lymphocyte, the linear virus genome circularizes and the virus subsequently persists within the cell as an episome. The virus can execute several distinct programs of gene expression which can be broadly categorized as being lytic cycle or latent cycle. The lytic cycle or productive infection results in staged expression of a host of viral proteins with the ultimate objective of producing infectious virions. Formally, this phase of infection does not inevitably lead to lysis of the host cell as EBV virions are produced by budding from the infected cell. The latent cycle (lysogenic) programs are those that do not result in production of virions. A very limited, distinct set of viral proteins are produced during latent cycle infection. These include Epstein-Barr nuclear antigen (EBNA)-1, EBNA-2, EBNA-3A, EBNA-3B, EBNA-3C, EBNA-leader protein (EBNA-LP) and latent membrane proteins (LMP)-1, LMP-2A and LMP-2B and the Epstein-Barr encoded RNAs (EBERs).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Form	PBS pH 8.0 & 300mM Imidazole.
Molecular Mass	24.8kDa
Purity	Protein is >95% pure as determined by 10% PAGE (coomassie staining).
Applications	Antigen in ELISA and Western blots, excellent antigen for detection of HHV-4 (EBV) with minimal specificity problems.
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 EBV-infected individuals.
Storage	EBV EBNA1 although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Shipping	Ice Packs

GENE INFORMATION

Gene Name	BKRF1 EBNA-1 protein [Human herpesvirus 4 (Epstein-Barr virus)]
Official Symbol	BKRF1
Synonyms	BKRF1; EBNA-1 protein
Gene ID	3783709
Protein Refseq	YP_401677.1

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