

Recombinant Epstein-Barr Virus (HHV-4) EBNA1 Mosaic, His tagged

Cat. No. EBNA-084H **Lot. No.** (See product label)

SPECIFICATION

Product Overview

The E. coli derived recombinant mosaic protein contains the HHV-4 EBNA regions, 1-90, 408-498 amino acids and fused to a 6 aa His Tag at C-terminus.

Species

HHV4

Source

E.coli

ProteinLength

1-90 aa and 408-498 aa

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).

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Source	E. coli
Species	HHV-4
Tag	C-6×His
Molecular Weight	44.2 kDa
Purity	> 95% pure as determined by SDS-PAGE (coomassie staining).
Notes	Our 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.
Storage	EBV EBNA1 Mosaic protein although stable at 4 centigrade for 1 week, should be stored below -18 centigrade. Please prevent freeze thaw cycles.
Storage Buffer	10mM PBS pH 7.6 and 10mM NaCl.
Shipping	Shipped with Ice Packs
Reference	1. Evaluation of Antibodies against Different Epstein-Barr Virus Nuclear Antigen 1 Peptides in Diagnosis of Nasopharyngeal Carcinoma. Clinical and Vaccine Immunology 16.4 (2009): 592-593.
GENE INFORMATION	
Official Symbol	EBNA
Synonyms	EBNA; Epstein-Barr nuclear antigen

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