

BKRF1 recombinant protein

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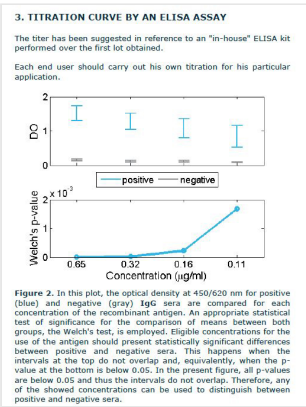
CATALOG # AAA72845	HOST E Coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

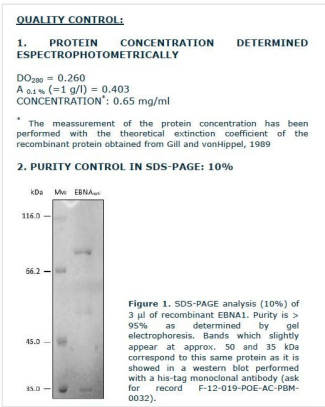
BKRF1; BKRF1 recombinant; RECOMBINANT ANTIGEN EBNA1 from Epstein-Barr Virus (EBV); EBNA-1; BKRF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	0.95
Form/Format	Dry powder (lyophilized)
Concentration	0.65 mg/ml (varies by lot)
Sequence Length	641
Applicable Applications for BKRF1 recombinant protein	WB (Western Blot), ELISA
Recombinant Antigen	EBV antigen EBNA1 (Cheng et al., 1991).
Organism	EBV
Tag	HIS
Molecular Weight Information	Determined by SDS-PAGE, the protein band is between molecular markers of 66,200-116,000 Da, while relative molecular mass calculated from amino acid sequence is 63,060.5 Da.
Observation Notes	in some cases, purified proteins run at a molecular weight which is slightly different to the theoretically calculated molecular weight maybe due to the his-tag presence, which can produce a delay in SDS-PAGE. Proteins should be maintained frozen at high concentrations. The dilution to be performed for ELISA assays should be made with a small quantity of protein, the same day of the experiment. In order to defrost the protein, maintain the aliquot at 25 degree C without shaking to avoid aggregation. Prior making test dilutions and after defrost the protein, is recommended to remove possible protein aggregates by centrifuging the stock solution, avoiding alterations in the immobilization of the biomolecule to the solid surface.
Buffer	20 mM phosphate buffer pH 8, 1 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether and 6 M urea
Batch Composition	Recombinant antigen with a his-tag in its N-terminus
Storage Buffer	20 mM phosphate buffer pH 8, 1 M NaCl, 0.1% polyoxyethylene (10) tridecyl ether and 6 M urea
Reconstitution	For lyophilized proteins: with 0.04 ml of sterile double-distilled water (lot specific) for a final concentration of 1.59 mg/ml (lot specific). The protein will be at pH 8.
Preparation and Storage	Lyophilized protein is shipped with on ice packs. Upon arrival, it should be stored at 20 degree C to -80 degree C. Aliquot after reconstitution in order to avoid repeated freezing and thawing cycles and store at 20 degree C to -80 degree C.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for BKRF1 recombinant protein	the latent nuclear antigen EBNA-1 has been prepared as a recombinant antigen fused to a his-tag in its N-terminal. It is produced from the complete ORF of the BKRF1 gene of EBV optimized regarding the codon usage of Escherichia coli.
Product Categories/Family for BKRF1 recombinant protein	Viruses
References	Cheng, H., Y. Foong, C. Sam, U. Prasad and J. Dillner. Epstein-Barr Virus Nuclear Antigen 1 Linear Epitopes That Are Reactive with Immunoglobulin A (IgA) or IgG in Sera from Nasopharyngeal Carcinoma Patients or from Healthy Donors. 1991. J. Clin. Microbiol. 29:2180-218. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	23893623
UniProt Accession #	P03211; Q777E1
Molecular Weight	56,427 Da
NCBI Official Full Name	EBNA-1 protein
UniProt Protein Name	Epstein-Barr nuclear antigen 1
UniProt Gene Name	EBNA1
UniProt Synonym Gene Names	EBNA-1
UniProt Entry Name	EBNA1_EBVB9

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.