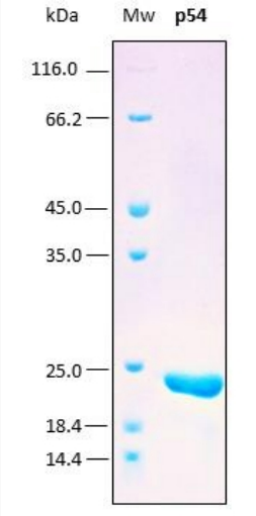
Recombinant EBV BMRF1 Antigen, His tagged

Cat. No. BMRF1-010E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The diffuse early antigen p54 has been prepared as a recombinant antigen fused to a his-tag at the N-terminal. It is produced from the BMRF1 gene of the Epstein-Barr virus.
Species	EBV
Source	E.coli
Description	D-EA p54 (p47/54) is considered as diffused (EA-D) early antigen. Regarding the EA-D, it is located in nucleus and cytoplasm and it has been described the highly presence of the diffuse early antigen of EBV in lymphomas and lymphoproliferative disorders. The D-EA p54 is an antigen codified by the BMRF1 gene, which is a DNA polymerase processivity factor. At the time of infection with Epstein-Barr virus, antibodies to EA are found and usually last for four to six months only. The absence of antibody to EA when other EBV antibodies are present strongly suggests that first time infection with EBV occurred in the past.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 18.4-25 kDa, while relative molecular mass calculated from amino acid sequence is 17,039.71 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis

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

Applications	WB, DB, IE, DE, CLIA, LF
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	50 mM MES pH 7, 0.1 M KCl and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	1.77 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Neuhierl, B. and Henri-Jacques Delecluse, H.J. The Epstein-Barr Virus BMRF1 Gene Is Essential for Lytic Virus Replication. Journal of Virology, 2006, Vol. 80, No. 10: 5078–5081. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	

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SDS-PAGE analysis (15%) of 2 µL of recombinant p54. Purity is > 95% as determined by gel electrophoresis.

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