

Trans-activator protein BZLF1 Recombinant Protein | BZLF1 recombinant protein

Recombinant Epstein-Barr virus Trans-activator protein BZLF1 (BZLF1)

CATALOG # AAA18638	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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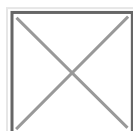
PRODUCT SYNONYMS

Trans-activator protein BZLF1; Recombinant Epstein-Barr virus Trans-activator protein BZLF1 (BZLF1); Zebra; BZLF1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-245aa; Full Length Protein
Sequence	MMDPNSTSED VKFTDPYQV PFVQAFDQAT RVYQDLGGPS QAPLPCVLWP VLPEPLPQGQ LTAYHVSTAP TGSWFSAQP APENAYQAYA APQLFPVSDI TQNQQTNQAG GEAPQPGDNS TVQTAAAVVF ACPGANQGQQ LADIGVPQA PVAAPARRTR KPQQPESLEE CDSELEIKRY KNRVASRKCR AKFKQLLQHY REVAAAKSSE NDRLRLLKQ MCPSLDVDSI IPRTPDVLHE DLLNF
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for BZLF1 recombinant protein	Plays a key role in the switch from latent infection to lytic cycle producing new virions. Acts as a transcription factor, inducing early lytic cycle genes, and as a origin binding protein for genome replication. BZLF1 activates the promoter of another EBV gene (BSLF2+BMLF1).
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References

DNA sequence and expression of the B95-8 Epstein-Barr virus genome.Baer R., Bankier A.T., Biggin M.D., Deininger P.L., Farrell P.J., Gibson T.J., Hatfull G., Hudson G.S., Satchwell S.C., Seguin C., Tuffnell P.S., Barrell B.G.Nature 310:207-211(1984) Epstein-Barr virus gene expression in P3HR1-superinfected Raji cells.Biggin M., Bodescot M., Perricaudet M., Farrel P.J. Virol. 61:3120-3132(1987) Epstein-Barr virus BZLF1 trans-activator specifically binds to a consensus AP-1 site and is related to c-fos.Farrel P.J., Rowe D.T., Rooney C.M., Kouzarides T.EMBO J. 8:127-132(1989) Structure and function of the Epstein-Barr virus BZLF1 protein.Packham G., Economou A., Rooney C.M., Rowe D.T., Farrel P.J.J. Virol. 64:2110-2116(1990) The BZLF1 protein of EBV has a coiled coil dimerisation domain without a heptad leucine repeat but with homology to the C/EBP leucine zipper.Kouzarides T., Packham G., Cook A., Farrell P.J.Oncogene 6:195-204(1991) A transcription factor with homology to the AP-1 family links RNA transcription and DNA replication in the lytic cycle of Epstein-Barr virus.Schepers A., Pich D., Hammerschmidt W.EMBO J. 12:3921-3929(1993) The PKC targeting protein RACK1 interacts with the Epstein-Barr virus activator protein BZLF1.Baumann M., Gires O., Kolch W., Mischak H., Zeidler R., Pich D., Hammerschmidt W.Eur. J. Biochem. 267:3891-3901(2000) Ubinuclein, a novel nuclear protein interacting with cellular and viral transcription factors.Aho S., Buisson M., Pajunen T., Ryoo Y.W., Giot J.-F., Gruffat H., Sergeant A., Uitto J.J. Cell Biol. 148:1165-1176(2000) Epstein-Barr virus BZLF1 gene, a switch from latency to lytic infection, is expressed as an immediate-early gene after primary infection of B lymphocytes.Wen W., Iwakiri D., Yamamoto K., Maruo S., Kanda T., Takada K.J. Virol. 81:1037-1042(2007) TORC2, a coactivator of cAMP-response element-binding protein, promotes Epstein-Barr virus reactivation from latency through interaction with viral BZLF1 protein.Murata T., Sato Y., Nakayama S., Kudoh A., Iwahori S., Isomura H., Tajima M., Hishiki T., Ohshima T., Hijikata M., Shimotohno K., Tsurumi T.J. Biol. Chem. 284:8033-8041(2009) Interaction of Epstein-Barr virus BZLF1 C-terminal tail structure and core zipper is required for DNA replication but not for promoter transactivation.McDonald C.M., Petosa C., Farrell P.J.J. Virol. 83:3397-3401(2009) Structural basis of lytic cycle activation by the Epstein-Barr virus ZEBRA protein.Petosa C., Morand P., Baudin F., Moulin M., Artero J.B., Muller C.W.Mol. Cell 21:565-572(2006)

NCBI AND UNIPROT INFORMATION

NCBI GI #	82503229
NCBI GeneID	3783744
NCBI Accession #	YP_401673.1
NCBI GenBank Nucleotide #	NC_007605.1
UniProt Accession #	P03206; Q69127; Q777E5; S03634
Molecular Weight	42.9 kDa
NCBI Official Full Name	BZLF1
NCBI Official Symbol	BZLF1
NCBI Protein Information	BZLF1
UniProt Protein Name	Trans-activator protein BZLF1
UniProt Gene Name	BZLF1
UniProt Synonym Gene Names	EB1
UniProt Entry Name	BZLF1_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.