

DNA polymerase catalytic subunit Recombinant Protein | BALF5 recombinant protein

Recombinant Epstein-Barr virus DNA polymerase catalytic subunit

CATALOG #
AAA116084

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

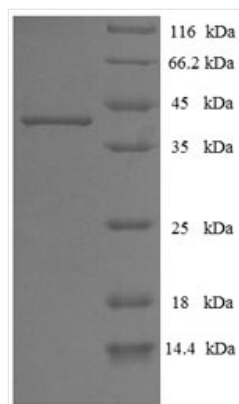
PRODUCT SYNONYMS

DNA polymerase catalytic subunit; Recombinant Epstein-Barr virus DNA polymerase catalytic subunit; BALF5 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	1-210aa ; Partial
Sequence	MSGGLFYNPFLRPNGLLKKPDKEYLRLIPKCFQTPGAAGVVDVRGPQPPLCFYQDSLTVVGGDEDEGKGM WWRQRAQEGTARPEADTHGSLPDFHVYDILETVYTHEKCAVIPSDKQGYVPCGIVIKLLGRRKADGASV CVNVFGQAYFYASAPQGLDVEFAVLSALKASTFDRRTPCRVSVEKVTRRSIMGYGNHAGDYHKITLSHP
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 BALF5 recombinant protein

Replicates viral genomic DNA in the late phase of lytic infection, producing long concatemeric DNA. The replication complex is composed of six viral proteins: the DNA polymerase, processivity factor, primase, primase-associated factor, helicase, and ssDNA-binding protein.

References	Sequence analysis of the 17,166 base-pair EcoRI fragment C of B95-8 Epstein-Barr virus.Bankier A.T., Deininger P.L., Farrell P.J., Barrell B.G.Mol. Biol. Med. 1:21-45(1983) 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) A major DNA binding protein encoded by BALF2 open reading frame of Epstein-Barr virus (EBV) forms a complex with other EBV DNA-binding proteins DNAase, EA-D, and DNA polymerase.Zeng Y., Middeldorp J., Madjar J.J., Ooka T.Virology 239:285-295(1997) The Epstein-Barr virus pol catalytic subunit physically interacts with the BBLF4-BSLF1-BBLF2/3 complex.Fujii K., Yokoyama N., Kiyono T., Kuzushima K., Homma M., Nishiyama Y., Fujita M., Tsurumi T.J. Virol. 74:2550-2557(2000) Architecture of replication compartments formed during Epstein-Barr virus lytic replication.Daikoku T., Kudoh A., Fujita M., Sugaya Y., Isomura H., Shirata N., Tsurumi T.J. Virol. 79:3409-3418(2005) A functional and structural basis for TCR cross-reactivity in multiple sclerosis.Lang H.L.E., Jacobsen H., Ikemizu S., Andersson C., Harlos K., Madsen L., Hjorth P., Sondergaard L., Svejgaard A., Wucherpfennig K., Stuart D.I., Bell J.I., Jones E.Y., Fugger L.Nat. Immunol. 3:940-943(2002)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	82503268
NCBI GeneID	3783681
NCBI Accession #	YP_401712.1
NCBI GenBank Nucleotide #	NC_007605.1
UniProt Accession #	P03198; Q777B1
Molecular Weight	39.2 kDa
NCBI Official Full Name	DNA polymerase
NCBI Official Symbol	BALF5
NCBI Protein Information	DNA polymerase
UniProt Protein Name	DNA polymerase catalytic subunit
UniProt Gene Name	BALF5
UniProt Entry Name	DPOL_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.