

DNA polymerase IV (dinB) Recombinant Protein | dinB recombinant protein

Recombinant Colwellia psychrerythraea DNA polymerase IV (dinB)

CATALOG # AAA116648	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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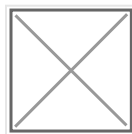
PRODUCT SYNONYMS

DNA polymerase IV (dinB); Recombinant Colwellia psychrerythraea DNA polymerase IV (dinB); DNA polymerase IV; Pol IV; EC=2.7.7.7; dinB 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	1-352aa; Full Length
Sequence	MGNQKKIIHI DMDCFYAAIE MRDFPEYQNI PLAVGGDGPR SVLCTSNYQA RQFGVRSAMP AIKAKQLCPH LKIVHGRMDV YKETSKNIRE IFSRYTDLIE PLSLDEAYLD VTDATMCQGS ATLIAERIRA DIFNELNLTA SAGIAPNKFL AKIASDENKP NGQCVITPDK VANFVEQLSL KKIPGIGPKT FEKLNHRHGYV TCADVRQSN RALQNIVGKF ANSLYLKSHG VDNRDLEVSQR QRKSLAIETT LAHDISTQDE CKLVIDSPLYQ KLLTRLAPHS NREIIRQGVK LKFTDFNQTT VETQSNQCQQ ALFISLLSKA YSRSNKRGVR LVGLTLGFAD SPGESQQLSL SL
Sequence Length	352
Species	Colwellia psychrerythraea (strain 34H / BAA-681) (Vibrio psychroerythus)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for dinB recombinant protein	Poorly processive, error-prone DNA polymerase involved in untargeted mutagenesis. Copies undamaged DNA at stalled replication forks, which arise in vivo from mismatched or misaligned primer ends. These misaligned primers can be extended by PolIV. Exhibits no 3'-5' exonuclease (proofreading) activity. May be involved in translesional synthesis, in conjunction with the beta clamp from PolIII.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	499352932
NCBI GeneID	3521759
NCBI Accession #	WP_011041883.1
NCBI GenBank Nucleotide #	WP_011041883.1
UniProt Accession #	Q487H6
Molecular Weight	43.3 kDa
NCBI Official Full Name	DNA polymerase IV
NCBI Official Symbol	dinB
NCBI Protein Information	DNA polymerase IV
UniProt Protein Name	DNA polymerase IV
UniProt Gene Name	dinB
UniProt Synonym Gene Names	Pol IV
UniProt Entry Name	DPO4_COLP3

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.

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Online datasheet: <https://stage.aaabiotech.com/dinb-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116648>