



Recombinant *Colwellia psychrerythraea* DNA polymerase IV (dinB)

Product Code	CSB-EP676401CBAB
Relevance	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.
Abbreviation	Recombinant <i>Colwellia psychrerythraea</i> dinB protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q487H6
Product Type	Recombinant Protein
Immunogen Species	<i>Colwellia psychrerythraea</i> (strain 34H / ATCC BAA-681?)(<i>Vibrio psychroerythus</i>)
Purity	≥ 90% as determined by SDS-PAGE.
Sequence	MGNQKKIIHIDMDCFYAAIEMRDFPEYQNIPLAVGGDGPRSVLCTSNYQARQF GVRSA MPAIKAKQLCPHLKIVHGRMDVYKETS KNIREIFSRYTDLIEPLSLDEAY LDVTDATMCQGSATLIAERIRADIFNELNLTASAGIAPNKFLAKIASDENKPNGQ CVITPDKVANFVEQLSLKKIPGIGPKTFEKLNRHGYVTCADVRQSNIRALQNIVG KFANSLYLKSHGVDNRDLEVSRQRKSLAIETT LAHDISTQDECKLVIDSLYQKLL TRLAPHSNREIIRQGVKLFKFTDFNQTTVETQSNECQQUALFISLLSKAYSRSNKR GVRLVGLTLGFADSPGESQQLSLSL
Research Area	others
Source	E.coli
Target Names	dinB
Protein Names	Recommended name: DNA polymerase IV Short name= Pol IV EC= 2.7.7.7
Expression Region	1-352aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	43.3kDa
Protein Length	Full Length
Image	

