

Recombinant Colwellia Psychrerythraea DINB Protein (1-352 aa)

Cat. No. DINB-2263C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Colwellia Psychrerythraea (strain 34H/ATCC BAA-681) (Vibrio psychroerythus) DINB Protein (1-352 aa) is produced by E. coli expression system. Protein Description: Full Length.
Species	Colwellia Psychrerythraea
Source	E.coli
ProteinLength	1-352 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	39.3 kDa
AA Sequence	MGNQKKIIHIDMDCFYAAIEMRDFPEYQNIPLAVGGDGPRSVLCTSNYQARQFGVRS AMPAIKAKQLCPHLKIVHGRMDVYKETSKNIREIFSRYTDLIEPLSLDEAYLDVTDATM CQGSATLIAERIRADIFNELNLASAGIAPNKFLAKIASDENKPNGQCVITPDKVANFV EQLSLKKIPGIGPKTFEKLNRHGYVTCADVRQSNIRALQNIVGKFANSLYLKSHGVDN

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RDLEVSRQRKSLAIETTLAHDISTQDECKLVIDSLYQKLLTRLAPHSNREIIRQGVKLK
FTDFNQTTVETQSNQCQALFISLLSKAYSRSNKRGVRLVGLTLGFADSPGESQQLS
LSL

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

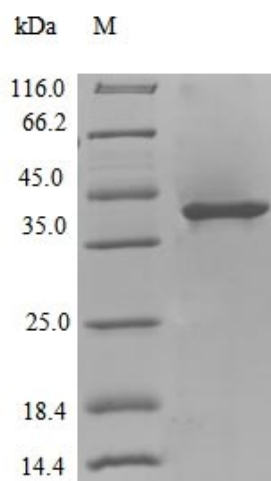
Synonyms dinB;

UniProt ID [Q487H6](#)

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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