

Recombinant *Cenarchaeum Symbiosum* POLC Protein (287-832 aa)

Cat. No. POLC-2172C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Cenarchaeum Symbiosum</i> (strain A) POLC Protein (287-832 aa) is produced by <i>E. coli</i> expression system. Protein Description: Partial.
Species	<i>Cenarchaeum Symbiosum</i>
Source	<i>E. coli</i>
ProteinLength	287-832 aa
Description	Possesses two activities: a DNA synthesis (polymerase) and an exonucleolytic activity that degrades single-stranded DNA in the 3'- to 5'-direction. Has a template-primer preference which is characteristic of a replicative DNA polymerase.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	59.0 kDa
AA Sequence	LAELKGAVQTGENKEDAAAKRMREVITGRSVLSMPNRLGGFRLRYGRACNTGYTSV GFHPAVAEILDHTIAVGTQVKIDIPGKGATVAFVDITIEAPTIVRLAGGDVVKIRDVAHGI ELKGSIERILHLGDM LISFGDFLENN AQLVPSGYVEE IWKMDME AAGAAQ GSPSSAD EAVRISRELGVPLHPRYLYYWDQISHEELAMLLSPLDKGDAISYPAACKPVLEKLGVP HKAGPEGPVLEGDEARIFRELILDNPPGPDASAPVPELISRSSGITIRDKFSTSIGVRIG RPEKAAPRQMRPPTHCLFPVGGTGGPTNNLLKSAARPGFSADILSRRCPGCGEPSI SIRCWACGERTAVERTCMQCGTDVDGEECERCGRPGLAHSRVEFPLKKMLVSAQE

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KTGVRAHDPLKGVKELAHQDRIAEPLEKGLIRQSRSLTVFKDGTVRFDATNSPMTHF
KPSWIGTSAEKLRELGYETDVDGKKLEGPDQLVELRMQDIVIPLEGAKYLVSACGYID
AELDKLYGAPPFYKVPDLGGLIGHLVVGLA

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

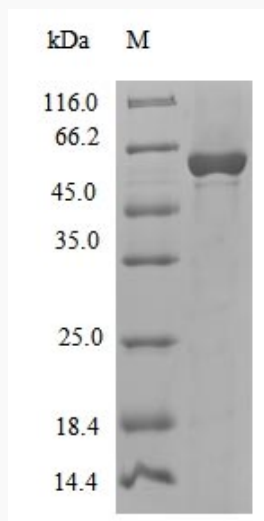
Synonyms polC;

UniProt ID [A0RYM0](#)

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