

Recombinant thermus aquacicus DNA polymerase I, thermostable



Catalog No: #AP72326

Orders: order@signalwayantibody.com

Package Size: #AP72326-1 20ug #AP72326-2 100ug #AP72326-3 1mg

Support: tech@signalwayantibody.com

Description

Product Name	Recombinant thermus aquacicus DNA polymerase I, thermostable
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:287-832aaSequence Info:Partial
Other Names	Taq polymerase 1
Accession No.	P19821
Uniprot	P19821
Calculated MW	88.5 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	<p>LLESPKALEEAPWPPPEGAFVGFVLSRKEPMWADLLALAAARGGRVHRAPEPYKALRDLKEARGLLAKDLSV LALREGLGLPPGDDPMLLAYLLDPSNTTPEGVARRYGGEWTEEAGERAAALSERLFANLWGRLEGEERLLWLY REVERPLSAVLAHMEATGVRLDVAYLRALSLEVAEEIARLEAEVFRLAGHPFNLSRDQLERVLFDLGLPAIG KTEKTGKRSTSAAVLEALREAHPIVEKILQYRELTKLKSTYIDPLDLIHPRTGRLHTRFNQTATATGRLSSSDP NLQNIPVRTPLGQIRRAFIAEEGWLLVALDYSQIELRVLAHLSGDENLIRVFQEGRDIHTETASWMFGVPREA VDPLMRRAAKTINFGVLYGMSAHRLSQELAIPEYEEAQAFIERYFQSFPKVRWIEKTL EEGRRRGYVETLFR RRYVPDL EARVKS VREAAERMAFNMPVQGT AADLMK LAMVKL FPRLEEMGARM LLQVHDEL VLEAPKERAE AVARLAKEVMEGVYPLAVPLEVEVGIGEDWLSAKE</p>
Formulation	Tris-based buffer50% glycerol
Storage	<p>The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.</p> <p>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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.</p>

References

Structure-based design of Taq DNA polymerases with improved properties of dideoxynucleotide incorporation.Li Y., Mitaxov V., Waksman G.Proc. Natl. Acad. Sci. U.S.A. 96:9491-9496(1999)Research Topic:Others

Note: This product is for in vitro research use only