

Recombinant thermus aquacicus DNA polymerase I, thermostable

Catalog No: #AP72328

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Package Size: #AP72328-1 20ug #AP72328-2 100ug #AP72328-3 1mg

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:571-832aaSequence Info:Partial
Other Names	Taq polymerase 1
Accession No.	P19821
Uniprot	P19821
Calculated MW	56.9 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	TGRLSSDPNLQNIPTVRPLGQRIRRAFIAEEGWLLVALDYSQIELRVLHLVLAHLVSGDENLIRVFQEGRDIHTETASW MFGVPREAVDPLMRRRAAKTINFGVLYGMSAHRLSQELAIPIYEEAQAFIERYFQSFQPKVRAWIEKTLVEEGRRRRG YVETLFGRRRYVPDLEARVKSREAAERMAFNMPVQGTAAADLMKMLAMVKLFPRLLEEMGARMMLLQVHDELVL EAPKERAEAVARLAKEVMEGVYPLAVPLEVEVGIGEDWLSAKE
Formulation	Tris-based buffer50% glycerol
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.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

References

Isolation, characterization, and expression in Escherichia coli of the DNA polymerase gene from Thermus aquaticus.Lawyer F.C., Stoffel S., Saiki R.K., Myambo K., Drummond R., Gelfand D.H.J. Biol. Chem. 264:6427-6437(1989)Research Topic:Others

Note: This product is for in vitro research use only