

Recombinant thermus aquacicus DNA polymerase I, thermostable



Catalog No: #AP72330

Orders: order@signalwayantibody.com

Package Size: #AP72330-1 20ug #AP72330-2 100ug #AP72330-3 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:289-832aaSequence Info:Partial
Other Names	Taq polymerase 1
Accession No.	P19821
Uniprot	P19821
Calculated MW	65.3 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	<p>ESPKALEEAPWPPPEGAFVGFVLSRKEPMWADLLALAAAARGGRVHRAPEPYKALRDLKEARGLLAKDLSVLA LREGLGLPPGDDPMLLAYLLDPSNTTPEGVARRYGGEWTEEAGERAAISERLFANLWGRLEGEERLLWL EVERPLSAVLAHMEATGVRLDVAYLRALSLEVAEEIARLEAEVFRLAGHPFNLNSRDQLERLVFDELGLPAIGK TEKTGKRSTSAAVLEALREAHPIVEKILQYRELTKLKSTYIDPLPDLIHPRTGRLHTRFNQTATATGRLSSSDPNL QNIPVRTPLGQIRRAFIAEEGWLLVALDYSQIELRVLAHLSGDENLIRVFQEGRDIHTETASWMFGVPREAVD PLMRRAAKTINFGVLYGMSAHRLSQELAIPEYEEAQAFIERYFQSFPKVRWIEKLEEGRRRGYVETLFGRRR YVPDLEARVKSVREAAERMAFNMPVQGTAAADMKLAMVKLFPRLEEMGARMLLQVHDELVLEAPKERAEAV ARLAKEVMEGVYPLAVPLEVEVGIGEDWLSAKE</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

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