

Product Datasheet

polA protein (orb705056)

Description

Recombinant *Thermus aquaticus* DNA polymerase I, thermostable (polA)

Endotoxins	Not test.
Preservatives	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Form/Appearance	Liquid or Lyophilized powder
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.
Tag	N-terminal 6xHis-tagged
Note	For research use only
Application notes	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Protein Sequence	ALEEAPWPPPEGAFVGFVLSRKEPMWADLLALAAARGGRVHRAPEPYKALRDLK EARGLLAKDLSVLALREGLGLPPGDDPMLLAYLLDPSNTTPEGVARRYGGGEWTE EAGERAAALSERLFANLWGRLEGEERLLWLYREVERPLSAVLAHMEATGVRLDVA YLRALSLEVAEEIARLEAEVFRLAGHPFNLSRDQLERVLDELGLPAIGKTEKTG KRSTSAAVLEALREAHPIVEKILQYRELTKLKSTYIDPLPDLIHPRTGRLHTRFNQT ATATGRLSSSDPNLQNIPVRTPLGQRIRRAFIAEEGWLLVALDYSQNEIRVLAHLS GDENLIRVFQEGRDIHTETASWMFGVPREAVDPLMRRAAKTINFGVLYGMSAHR LSQELAIPIYEEAQAFIERYFQSFPKVRWIEKTLEEGRRRGYVETLFGRRRYVPDL EARVKSVREAAERMAFNMPVQGTAAADLMKLAMVKLFPRLEEMGARMMLQVHD ELVLEAPKERAEEAVARLAKEVMIEGVYPLAVPLEVEVGIGEDWLSAKE
Purity	Greater than 85% as determined by SDS-PAGE.
Source	<i>E. coli</i>
MW	64.9 kDa
Uniprot ID	P19821
Expiration Date	6 months from date of receipt.