Eukaryotic Taq Polymerase (Taq) Instruction Manual

SFPX669Ge61

Pan-species (General)

Source	Eukaryotic expression
Host	293F cell
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	64.0kDa
Accurate Molecular Mass	64kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly279~Glu832 with N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 95%
Isoelectric Point	6.1
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

GS LLHEFGLLES PKALEEAPWP
PPEGAFVGFV LSRKEPMWAD LLALAAARGG RVHRAPEPYK ALRDLKEARG
LLAKDLSVLA LREGLGLPPG DDPMLLAYLL DPSNTTPEGV ARRYGGEWTE
EAGERAALSE RLFANLWGRL EGEERLLWLY REVERPLSAV LAHMEATGVR
LDVAYLRALS LEVAEEIARL EAEVFRLAGH PFNLNSRDQL ERVLFDELGL
PAIGKTEKTG KRSTSAAVLE ALREAHPIVE KILQYRELTK LKSTYIDPLP
DLIHPRTGRL HTRFNQTATA TGRLSSSDPN LQNIPVRTPL GQRIRRAFIA
EEGWLLVALD YSQIELRVLA HLSGDENLIR VFQEGRDIHT ETASWMFGVP
REAVDPLMRR AAKTINFGVL YGMSAHRLSQ ELAIPYEEAQ AFIERYFQSF
PKVRAWIEKT LEEGRRRGYV ETLFGRRRYV PDLEARVKSV REAAERMAFN
MPVQGTAADL MKLAMVKLFP RLEEMGARML LQVHDELVLE APKERAEAVA
RLAKEVMEGV YPLAVPLEVE VGIGEDWLSA KE

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

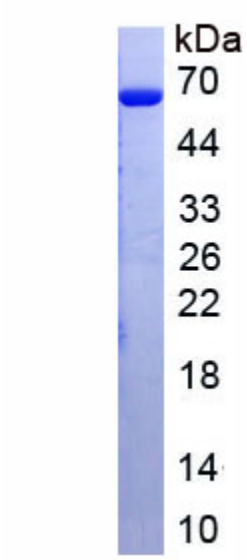

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.