VAS Taq

Product:	**VAS Taq**
CATALOG#:	**BN0150-0250**
Units:	**250 U**
Concentration:	**5 units/μl**
Volume:	**50 μl**
Storage:	**-20°C**

Supplied form

20mM Tris-HCl pH8.0, 50%glycerol, 100mM KCl, 0.1Mm EDTA, 1mM DTT, 0.5%Tween20, 0.5%NP-40

Description

VAS Taq is isolated and purified from an E.Coli. strain that carries the cloned DNA polymerase gene from Thermus aquqticus YT-1strain.

Purity(SDS-PAGE)＞99%

10X VAS Taq PCR Buffer

Composition: Tris-HCl, KCl, $(NH_4)_2SO_4$, 15mM $MgCl_2$, pH8.3 .

Unit definition

One unit is the amount of enzyme that will incorporate 10 nmoles of dNTPs into acid-insoluble products at 72°C in 30 min.

PCR performance test

Good performance of DNA amplification by PCR is confirmed by using 0.2U Taq will amplified 2.5 kb DNA fragment in a 50μl reaction volume.

General reaction mixture for PCR (total 50μl)

VAS Taq (5 units/μl)	0.5μl
10X Taq Buffer	5.0μl
dNTPs(2.5mM)	4.0μl
Template	＜1μg
Primer 1	0.2~1.0μM
Primer 2	0.2~1.0μM
H_2O	upto 50μl

PCR products

As most PCR product amplified with VAS Taq have one A added at 3`- terminus, the obtained PCR product can be directly used for cloning into T-vector.

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