Alkaline Phosphatase (PAP)

Catalog # D0009 Size 1000 Units

Specification

Product Description	E.coli harboring the plasmid encoding the gene of alkaline phosphatase from Shewanella sp. SIB1 (PAP).
Concentration	5 units/uL
Quality Control Testing	DNase: When 0.5 ug of lamda Hind III digest was incubated with 10 units of this enzyme in a 40 ul rea ction mixture for 18 hours at 37°C no degradation of the DNA fragment is observed on agarose gel e lectrophoresis. Rnase: No RNase activity is observed by the use of RnaseAlert assay (Ambion). In this assay the rea ction mixture containing the fluorescent-labeled RNA substrate was incubated with 10 units of this en zyme for 1 hours at 37°C.
Supplied Products	Kit Content 1.10x Alkaline Phosphatase Reaction Buffer 2.Dilution Buffer (1x Reaction Buffer)
Storage Buffer	10 mM Tris-HCl (pH 7.5), 0.025 mM ZnCl, 20.25 mM $MgCl_2$, 50% glycerol.
Storage Instruction	Store at -20°C.
Note	Unit Definition One unit is defined as the amount required to hydrolyzed 1.0 umole p-nitrophenyl phosphate per 1 mi nute in glycine/NaOH buffer at pH10.5 and 37°C

Applications

- Enzyme Activity

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