



PHOSPHOTRANSACETYLASE from a *B. subtilis* (Lot 70401b)

Recombinant

E-PTABS

04/14

(EC 2.3.1.8) Acetyl-CoA: orthophosphate acetyltransferase; Phosphate acetyltransferase

PROPERTIES

1. ELECTROPHORETIC PURITY:

- Single band on SDS-gel electrophoresis (MW ~ 36,953)
- Single major band on isoelectric focusing (pI ~ 5.3)

2. SPECIFIC ACTIVITY:

13027 U/mg protein at pH 7.4 and 25°C.

One Unit of phosphotransacetylase is the amount of enzyme required to produce one μ mole of acetyl-CoA from coenzyme A per minute measured at 233 nm under the following assay conditions:

Tris.HCl buffer, pH 7.4	86 mM
L-Glutathione (reduced)	1.7 mM
Coenzyme A	0.44 mM
Lithium potassium acetyl-phosphate	7.4 mM
Ammonium sulphate	17 mM

3. PHYSICOCHEMICAL PROPERTIES:

Recommended conditions of use are at pH 7.4 and up to 25°C.

4. STORAGE AND USE CONDITIONS/RECOMMENDATIONS:

The enzyme is supplied as an ammonium sulphate suspension containing 0.5 mg/mL BSA and should be stored at 4°C. For assay, this enzyme should be diluted in 100 mM Tris.HCl buffer, pH 7.4 containing 1 mg/mL BSA. **Swirl to mix the enzyme suspension immediately prior to use.**