



High Purity Phosphotransacetylase

Product Information

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|---------------------------------|---|
| Cat# | DIA-549 |
| Source | Bacillus subtilis |
| Description | High purity recombinant phosphotransacetylase from Bacillus subtilis for use in research, biochemical enzyme assays and in vitro diagnostic analysis. |
| Form | Suspension |
| CAS No. | 9029-91-8 |
| Activity | ~ 3,500 U/mg (25 °C, pH 7.4 on Coenzyme A) |
| Unit Definition | One unit of phosphotransacetylase activity is defined as the amount of enzyme required to release one μ mole of acetyl-CoA per minute from Coenzyme A (0.44 mM) in Tris HCl buffer (86 mM) pH 7.4 at 25 °C. |
| Storage | 2–8 °C |
| Synonyms | Phosphate acetyltransferase; acetyl-CoA:phosphate acetyltransferase |
| Enzyme Commission Number | EC 2.3.1.8 |
| Stability | > 1 year under recommended storage conditions |
| Optimum pH | 7.4 |
| Optimum temperature | 25 °C |
| Buffer | 3.2 M ammonium sulphate |
| Applications | Applications for the measurement of acetic acid in the food, fermentation, wine, beverage and dairy industries. |
| Molecular Weight | 36953 Da |
| Concentration | ~ 3000 U/mL |



Creative Enzymes

Diagnostic Enzymes

High Purity Phosphotransacetylase

Specificity

Catalyses the reaction: Coenzyme A + acetyl phosphate = acetyl-CoA + phosphate.

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