

Native Rabbit α -Glycerophosphate Dehydrogenase-Triosephosphate Isomerase

Cat. No. NATE-0751

Lot. No. (See product label)

Introduction

Description α -glycerophosphate dehydrogenase catalyzes the conversion of dihydroxyacetone to glycerol phosphate.

Applications α -glycerophosphate dehydrogenase was used in 2-deoxy-ribose 5-phosphate aldolase (DERA) cleavage (retroaldol) assay.

Synonyms α -glycerol phosphate dehydrogenase (NAD); α -glycerophosphate dehydrogenase (NAD); glycerol 1-phosphate dehydrogenase; glycerol phosphate dehydrogenase (NAD); glycerophosphate dehydrogenase (NAD); hydroglycerophosphate dehydrogenase; L- α -glycerol phosphate dehydrogenase; L- α -glycerophosphate dehydrogenase; L-glycerol phosphate dehydrogenase; L-glycerophosphate dehydrogenase; NAD- α -glycerophosphate dehydrogenase; NAD-dependent glycerol phosphate dehydrogenase; NAD-dependent glycerol-3-phosphate dehydrogenase; NAD-L-glycerol-3-phosphate dehydrogenase; NAD-linked glycerol 3-phosphate dehydrogenase; NADH-dihydroxyacetone phosphate reductase; glycerol-3-phosphate dehydrogenase (NAD); EC 1.1.1.8; α -GDH-TPI

Product Information

Species Rabbit

Source Rabbit muscle

Form ammonium sulfate suspension. Mixed crystalline suspension in 3.2 M (NH₄)₂SO₄, pH 6

EC Number EC 1.1.1.8

CAS No. 9075-65-4

Activity TPI 750-2000 units/mg protein, GDH 75-200 units/mg protein (biuret)

Unit Definition (α -GDH) One unit will convert 1.0 μ mole of dihydroxyacetone phosphate to α -glycerophosphate per min at pH 7.4 at 25°C. (TPI) One unit will convert 1.0 μ mole of D-glyceraldehyde 3-phosphate to dihydroxyacetone phosphate per min at pH 7.6 at 25°C.

Storage and Shipping Information

Storage 2-8°C