Creative Enzymes®

Native Chicken Glyceraldehyde-3-phosphate Dehydrogenase

Cat. No. NATE-0279

Lot. No. (See product label)

Introduction

Description	Glyceraldehyde-3-phosphate dehydrogenase catalyzes the conversion of glyceraldehyde-3-phosphate to 1,3-bisphosphoglycerate as part of glycolysis. It has also been shown to have roles in initiation of apoptosis, transcription activation and the shuttling of ER to Golgi vesicles.
Synonyms	EC 1.2.1.12; GAPDH; glyceraldehyde-3-phosphate dehydrogenase (phosphorylating); triosephosphate dehydrogenase; dehydrogenase, glyceraldehyde phosphate; phosphoglyceraldehyde dehydrogenase; 3-phosphoglyceraldehyde dehydrogenase; NAD+-dependent glyceraldehyde phosphate dehydrogenase; glyceraldehyde phosphate dehydrogenase (NAD+); glyceraldehyde-3-phosphate dehydrogenase (NAD+); NADH-glyceraldehyde phosphate dehydrogenase; glyceraldehyde-3-P-dehydrogenase; 9001-50-7

Product Information

Species	Chicken
Source	Chicken muscle
Form	Lyophilized powder containing Citrate buffer salts
EC Number	EC 1.2.1.12
CAS No.	9001-50-7
Activity	> 40 units/mg protein
Pathway	Androgen Receptor Signaling Pathway, organism-specific biosystem; Gluconeogenesis, oxaloacetate => fructose-6P, organism-specific biosystem; Glycolysis (Embden-Meyerhof pathway), glucose => pyruvate, conserved biosystem
Function	NAD binding; identical protein binding; microtubule binding
Unit Definition	One unit will reduce 1.0 µmole of 3-phosphoglycerate to D-glyceraldehyde 3-phosphate per min in a coupled system with 3-phosphoglyceric phosphokinase at pH 7.6 at 25°C.

Storage and Shipping Information

Storage	−20°C