Creative Enzymes®

Recombinant Porcine Citrate Synthase (28-464aa), C-His tag

Cat. No. EXWM-5830

Lot. No. (See product label)

Introduction

Description	The enzyme citrate synthase E.C. 2.3.3.1 (previously 4.1.3.7)] exists in nearly all living cells and stands as a pace-making enzyme in the first step of the citric acid cycle (or Krebs cycle). Citrate synthase is localized within eukaryotic cells in the mitochondrial matrix, but is encoded by nuclear DNA rather than mitochondrial. It is synthesized using cytoplasmic ribosomes, then transported into the mitochondrial matrix.

Product Information

Species	Porcine
Source	E. coli
Form	Liquid
EC Number	EC 2.3.3.1
CAS No.	9027-96-7
Molecular Weight	49.68 kDa
Purity	>95% by SDS-PAGE
Activity	145,312.5 U/mg
Buffer	PBS, pH 7.4
Unit Definition	One unit is defined as the amount of enzyme that will generate 1.0 nmol TNB per minute at 37 ºC.

Storage and Shipping Information

Storage	Store it under sterile conditions at -80℃. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.