

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 °C.

Storage and Shipping Information

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