

## 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

<b>Species</b>	Porcine
<b>Source</b>	E. coli
<b>Form</b>	Liquid
<b>EC Number</b>	EC 2.3.3.1
<b>CAS No.</b>	9027-96-7
<b>Molecular Weight</b>	49.68 kDa
<b>Purity</b>	>95% by SDS-PAGE
<b>Activity</b>	145,312.5 U/mg
<b>Buffer</b>	PBS, pH 7.4
<b>Unit Definition</b>	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

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