

## Native Porcine $\alpha$ -Ketoglutarate Dehydrogenase

Cat. No. NATE-0495

Lot. No. (See product label)

### Introduction

#### Description

The oxoglutarate dehydrogenase complex (OGDC) or  $\alpha$ -ketoglutarate dehydrogenase complex is an enzyme complex, most commonly known for its role in the citric acid cycle.

#### Synonyms

2-ketoglutarate dehydrogenase; 2-oxoglutarate dehydrogenase; 2-oxoglutarate:lipoate oxidoreductase; 2-oxoglutarate:lipoamide 2-oxidoreductase (decarboxylating and acceptor-succinylating);  $\alpha$ -ketoglutarate dehydrogenase;  $\alpha$ ketoglutaric acid dehydrogenase;  $\alpha$ -ketoglutaric dehydrogenase;  $\alpha$ -oxoglutarate dehydrogenase; AKGDH; OGDC; ketoglutaric dehydrogenase; oxoglutarate decarboxylase; oxoglutarate dehydrogenase; oxoglutarate dehydrogenase (lipoamide); EC 1.2.4.2; 9031-02-1

### Product Information

#### Species

Porcine

#### Source

Porcine heart

#### Form

buffered aqueous glycerol solution. Supplied as a 50% glycerol solution containing ~9 mg per mL bovine serum albumin, 30% sucrose, 1.5 mM EDTA, 1.5 mM EGTA, 1.5 mM 2-mercaptoethanol, 0.3% TRITON™ X-100, 0.003% sodium azide, and 15 mM potassium phosphate, pH 6.8.

#### EC Number

EC 1.2.4.2

#### CAS No.

9031-02-1

#### Activity

0.1-1.0 units/mg protein (Lowry)

#### Unit Definition

One unit will convert 1.0  $\mu$ mole of  $\beta$ -NAD to  $\beta$ -NADH per min at pH 7.4 at 30°C in the presence of saturating levels of coenzyme A.

### Storage and Shipping Information

#### Storage

-20°C