Creative Enzymes®

Native Porcine α-Ketoglutarate Dehydrogenase

Cat. No. NATE-0495

Lot. No. (See product label)

Introduction

Description	The oxoglutarate dehydrogenase complex (OGDC) or α-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); α-ketoglutarate dehydrogenase; αketoglutaric acid dehydrogenase; α-ketoglutaric dehydrogenase; α-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 µmole of β-NAD to β-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