

Native Porcine Fumarase

Cat. No. NATE-0267

Lot. No. (See product label)

Introduction

Description Fumarase catalyzes the reversible hydration of fumarate to malate. In its mitochondrial form, fumarate is involved in the Krebs Cycle, while the cytosolic form is involved in amino acid metabolism.

Applications Fumarase is used as a protein calibration standard in the purification of intact DNA polymerase α /primase from mouse cells.

Synonyms EC 4.2.1.2; fumarase; L-malate hydro-lyase; (S)-malate hydro-lyase; 9032-88-6

Product Information

Species Porcine

Source Porcine heart

Form ammonium sulfate suspension; Suspension in 3.2 M (NH₄)₂SO₄, 0.05 M KH₂PO₄, pH 7.5, 0.014 M 2-mercaptoethanol

EC Number EC 4.2.1.2

CAS No. 9032-88-6

Activity 300-500 units/mg protein (biuret)

Unit Definition One unit will convert 1.0 μ mole of L-malate to fumarate per min at pH 7.6 at 25°C.

Storage and Shipping Information

Storage 2-8°C