

Native Lactobacillus 30a L-Histidine Decarboxylase

Cat. No. NATE-0336

Lot. No. (See product label)

Introduction

Description Histidine decarboxylase (HDC) is the enzyme that catalyzes the reaction that produces histamine from histidine with the help of vitamin B6 as follows: Conversion of histidine to histamine by histidine decarboxylase. In humans, the histidine decarboxylase enzyme is encoded by the HDC gene.

Applications Major synthetic enzyme for histamine; decarboxylates L-histidine to form histamine

Synonyms Histidine decarboxylase; HDC; 9024-61-7; EC 4.1.1.22; L-histidine decarboxylase; L-histidine carboxylase; L-Histidine Decarboxylase

Product Information

Source Lactobacillus 30a

Form crude acetone powder

EC Number EC 4.1.1.22

CAS No. 9024-61-7

Activity 0.25-0.5 unit/mg solid

Unit Definition One unit will release 1.0 μ mole of CO₂ from L-histidine per min at pH 4.5 at 37°C.

Storage and Shipping Information

Storage -20°C