Creative Enzymes®

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 carboxy-lyase; 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 μmole of CO2 from L-histidine per min at pH 4.5 at 37°C.

Storage and Shipping Information

Storage	−20°C