

Native Escherichia coli Glutaminase

Cat. No. NATE-0307

Lot. No. (See product label)

Introduction

Description

Glutaminase catalyzes the conversion of glutamine to glutamate. Glutaminase is an amidohydrolase enzyme that generates glutamate from glutamine. Glutaminase has tissue-specific isoenzymes. Glutaminase has an important role in glial cells. Glutaminase catalyzes the following reaction: $\text{Glutamine} + \text{H}_2\text{O} \rightarrow \text{Glutamate} + \text{NH}_3$.

Synonyms

EC 3.5.1.2; glutaminase I; L-glutaminase; glutamine aminohydrolase; Glutaminase; 9001-47-2

Product Information

Source

Escherichia coli

Form

Type I, Lyophilized powder containing stabilizer and potassium succinate; Type II, Lyophilized powder containing potassium succinate and EDTA.

EC Number

EC 3.5.1.2

CAS No.

9001-47-2

Activity

Type I, 500-1,500 units/mg protein; Type II, 50-200 units/mg protein.

Unit Definition

One unit will deaminate 1.0 μmole of L-glutamine per min at pH 4.9 at 37°C.

Storage and Shipping Information

Storage

-20°C