

glutamate dehydrogenase (NADP+)

Cat. No. EXWM-1459

Lot. No. (See product label)

Introduction

Description Glutamate dehydrogenase (GLDH) is an enzyme, present in most microbes and the mitochondria of eukaryotes, as are some of the other enzymes required for urea synthesis, that converts glutamate to α -ketoglutarate, and vice versa.

Synonyms glutamic dehydrogenase; dehydrogenase, glutamate (nicotinamide adenine dinucleotide (phosphate)); glutamic acid dehydrogenase; L-glutamate dehydrogenase; L-glutamic acid dehydrogenase; NAD(P)-glutamate dehydrogenase; NAD(P)H-dependent glutamate dehydrogenase; glutamate dehydrogenase (NADP)

Product Information

Form Liquid or lyophilized powder

EC Number EC 1.4.1.4

CAS No. 9029-11-2

Reaction $\text{L-glutamate} + \text{H}_2\text{O} + \text{NADP}^+ = \text{2-oxoglutarate} + \text{NH}_3 + \text{NADPH} + \text{H}^+$

Notes This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

Storage and Shipping Information

Storage Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.