Creative Enzymes®

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	L-glutamate + H2O + NADP+ = 2-oxoglutarate + NH3 + NADPH + 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 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃.