Creative Enzymes®

glutamine-fructose-6-phosphate transaminase (isomerizing)

Cat. No. EXWM-2856

Lot. No. (See product label)

Introduction

Description Although the overall reaction is that of a transferase, the mechanism involves the formation of ketimine between fructose 6-phosphate and a 6-amino group from a lysine residue at the active site, which is subsequently displaced by ammonia (transamidination).

Synonyms hexosephosphate aminotransferase; glucosamine-6-phosphate isomerase (glutamine-forming); glutamine-fructose-6-phosphate transaminase (isomerizing); D-fructose-6-phosphate amidotransferase; glucosaminephosphate isomerase; glucosamine 6-phosphate synthase; GlcN6P synthase

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.6.1.16

CAS No. 9030-45-9

Reaction L-glutamine + D-fructose 6-phosphate = L-glutamate + D-glucosamine 6-phosphate

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 ℃.