Creative Enzymes®

putrescine aminotransferase

Cat. No. EXWM-2923

Lot. No. (See product label)

Introduction

Description	A pyridoxal-phosphate protein. The product, 4-aminobutanal, spontaneously cyclizes to form 1-pyrroline, which is a substrate for EC 1.2.1.19, aminobutyraldehyde dehydrogenase. Cadaverine and spermidine can also act as substrates. Forms part of the arginine-catabolism pathway.
Synonyms	putrescine-α-ketoglutarate transaminase; YgjG; putrescine:α-ketoglutarate aminotransferase; PAT; putrescine:2-oxoglutarate aminotransferase; putrescine transaminase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.6.1.82
CAS No.	98982-73-1
Reaction	putrescine + 2-oxoglutarate = 1-pyrroline + L-glutamate + H2O (overall reaction); (1a) putrescine + 2-oxoglutarate = 4-aminobutanal + L-glutamate; (1b) 4-aminobutanal = 1-pyrroline + H2O (spontaneous)
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 ℃.