geranylfarnesyl diphosphate synthase

Cat. No. EXWM-2819

Lot. No. (See product label)

Introduction

Description	The enzyme from Methanosarcina mazei is involved in biosynthesis of the polyprenyl side-chain of methanophenazine, an electron carrier utilized for methanogenesis. It prefers geranylgeranyl diphosphate and farnesyl diphosphate as allylic substrate. The enzyme from Aeropyrum pernix prefers farnesyl diphosphate as allylic substrate. The enzyme is involved in the biosynthesis of C25-C25 membrane lipids.
Synonyms	FGPP synthase; (all-E) geranylfarnesyl diphosphate synthase; GFPS; Fgs

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.5.1.81
Reaction	geranylgeranyl diphosphate + isopentenyl diphosphate = (2E,6E,10E,14E)-geranylfarnesyl diphosphate + diphosphate
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 ℃.