

tRNAPhe 7-[(3-amino-3-carboxypropyl)-4-demethylwyosine37-N4]-methyltransferase

Cat. No. EXWM-1889

Lot. No. (See product label)

Introduction

Description The enzyme is involved in the biosynthesis of hypermodified tricyclic bases found at position 37 of certain tRNAs. These modifications are important for translational reading-frame maintenance. The enzyme is found in all eukaryotes and in some archaea, but not in bacteria. The eukaryotic enzyme is involved in the biosynthesis of wybutosine.

Synonyms TYW3 (gene name); tRNA-yW synthesizing enzyme-3

Product Information

Form Liquid or lyophilized powder

EC Number EC 2.1.1.282

Reaction S-adenosyl-L-methionine + 7-[(3S)-(3-amino-3-carboxypropyl)]-4-demethylwyosine37 in tRNAPhe = S-adenosyl-L-homocysteine + 7-[(3S)-(3-amino-3-carboxypropyl)]wyosine37 in tRNAPhe

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.