Creative Enzymes®

valine-tRNA ligase

Cat. No. EXWM-5664

Lot. No. (See product label)

Introduction

Description	This enzyme belongs to the family of ligases, to be specific those forming carbon-oxygen bonds in aminoacyl-tRNA and related compounds. This enzyme participates in valine, leucine and isoleucine biosynthesis and aminoacyl-trna biosynthesis.
Synonyms	valyl-tRNA synthetase; valyl-transfer ribonucleate synthetase; valyl-transfer RNA synthetase; valyl-transfer ribonucleic acid synthetase; valine transfer ribonucleate ligase; valine translase

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 6.1.1.9
CAS No.	9023-47-6
Reaction	ATP + L-valine + tRNAVal = AMP + diphosphate + L-valyl-tRNAVal
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 ℃.