Creative Enzymes®

mRNA(cytosine6666) deaminase

Cat. No. EXWM-4564

Lot. No. (See product label)

Introduction

Description	The apolipoprotein B mRNA editing enzyme complex catalyses the editing of apolipoprotein B mRNA at cytidine6666 to uridine, thereby transforming the codon for glutamine-2153 to a termination codon. Editing results in translation of a truncated apolipoprotein B isoform (apoB-48) with distinct functions in lipid transport. The catalytic component (APOBEC-1) contains zinc at the active site.
Synonyms	APOBEC-1 (catalytic component of an RNA-editing complex); APOBEC1 (catalytic subunit); apolipoprotein B mRNA-editing enzyme 1 (catalytic component of an RNA-editing complex); apoB mRNA-editing enzyme catalytic polypeptide 1 (catalytic component of an RNA-editing complex); apoB mRNA editing complex; apolipoprotein B mRNA editing enzyme; REPR

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 3.5.4.36
Reaction	cytosine6666 in apolipoprotein B mRNA + H2O = uracil6666 in apolipoprotein B mRNA + NH3
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 ℃.