Creative Enzymes®

IκB kinase

Cat. No. EXWM-3129

Lot. No. (See product label)

Introduction

Description	The enzyme phosphorylates IκB proteins at specific serine residues, which marks them for destruction via the ubiquitination pathway. Subsequent degradation of the IkB complex (IKK) activates NF-κB, a translation factor that plays an important role in inflammation, immunity, cell proliferation and apoptosis. If the serine residues are replaced by threonine residues, the activity of the enzyme is decreased considerably.
Synonyms	CHUK; IKBKA; IKBKB; IKK; IKK-1; IKK-2; inhibitor of NFκB kinase; inhibitor of NF-κB kinase; STK12; TANK-binding kinase 1; TBK1

Product Information

Form	Liquid or lyophilized powder
EC Number	EC 2.7.11.10
Reaction	ATP + [IκB protein] = ADP + [IκB phosphoprotein]
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 ℃.