

## 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 IκB complex (IKK) activates NF-κB, a transcription 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 °C for short term. For long term storage, store it at -20 °C~-80 °C.