

## 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**  $\text{ATP} + [\text{I}\kappa\text{B protein}] = \text{ADP} + [\text{I}\kappa\text{B phosphoprotein}]$

**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.