

Recombinant human IKBKB protein

Catalog Number: bs-42351P

Concentration: >1mg/ml

Species: Human

AA Seq: 1-256/756

Predicted MW: 47.3 kDa

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: affinity purified by Protein A

Form: Liquid

Storage: 20mM Tris-HCL (pH=8.0) with 2M Urea.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

Background: IKK beta (I-Kappa-B kinase-beta) is a member of the IKK complex which is composed of IKK alpha, IKK beta, IKK gamma and IKAP. Phosphorylation of I-Kappa-B on a serine residue by the IKK complex frees NF-kB from I-Kappa-B and marks it for degradation via ubiquitination. IKK beta has been shown to activate NF-kB and phosphorylate IKB alpha and beta. Phosphorylation of 2 sites at the activation loop of IKK beta is essential for activation of IKK by TNF and IL1. Once activated, IKK beta autophosphorylates which in turn decreases IKK activity and prevents prolonged activation of the inflammatory response. Additionally, IKK beta activity can also be regulated by MEKK1.

VALIDATION IMAGES



The purity of the protein is greater than 90% as determined by reducing SDS-PAGE.