

Recombinant Human IKK beta (N-GST tag)

Cat No:HR2R1532

For research use only

Overview

Quantity	10 ?g
Gene Symbol	IKK beta
Gene ID	N/A
Accession	NM_001556
Alternative Name	IKK2, IKBKB, IKKB, NFKBIKB, FLJ40509, IKK-beta, MGC131801
Species	Human
Source	Insect cells
Description	IKK? is a serine/threonine protein kinase that phosphorylates the I-kappa-B protein which is an inhibitor of the transcription factor NF-kappa-B complex. Phosphorylation of I-kappa-B protein triggers the degradation of the inhibitor via the ubiquitination pathway, thereby activating NF-kappa-B complex. The activity of IKK? is stimulated by TNF and IL1 and IKK? forms a heterodimer that interacts with NIK . Overexpression of catalytically inactive IKK? blocks cytokine-induced NF-kappa-B activation. Aspirin and sodium salicylate can specifically inhibit IKK? activity in vitro and in vivo by binding to IKK? to reduce ATP binding .
Functions	The specific activity of IKK? was determined to be 58 nmol /min/mg as per activity assay protocol.
Formulation	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Solubility	N/A
Appearance	Liquid
Molecular Weight	105
Purity	70% - 90%
Concentration	
Shipping Condition	Dry Ice
Storage Condition	Store product at ?70?C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.