

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, NFKB1KB, FLJ40509, IKK-beta, MGC131801
Species	Human
Source	Insect cells
Description	IKK β 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 β is stimulated by TNF and IL1 and IKK β forms a heterodimer that interacts with NIK . Overexpression of catalytically inactive IKK β blocks cytokine-induced NF-kappa-B activation. Aspirin and sodium salicylate can specifically inhibit IKK β activity in vitro and in vivo by binding to IKK β to reduce ATP binding .
Functions	The specific activity of IKK β 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.