

Recombinant Human IKK alpha (N-GST tag)

Cat No:HR2R1531

For research use only

Overview

Quantity	10 ?g
Gene Symbol	IKKa
Gene ID	N/A
Accession	BC092514
Alternative Name	CHUK, IKK1, IKBKA, TCF16, NFKBIKA, IKK-alpha
Species	Human
Source	Insect cells
Description	IKKa 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 . IKKa is an essential regulator of NF-kappa-B-dependent gene expression through control of promoter-associated histone phosphorylation after cytokine exposure . IKKa is a critical component of the cytoplasmic transductional-transcriptional processor leading to induction of IFNa production. IKKa is also involved in the epidermis where it antagonizes mitogenic and angiogenic signals and represses tumor progression and metastases.
Functions	The specific activity of IKKa was determined to be 2.5 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	114
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.