

IKK alpha Recombinant Protein | IKKalpha recombinant protein

IKK alpha, Active

CATALOG # AAA73365	HOST Sf9 insect cells	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

IKK alpha; Active; CHUK; IKK1; IKBKA; TCF16; NFKBKA; IKK-alpha; IKKalpha recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM Tris-HCl, pH7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Applicable Applications for IKKalpha recombinant protein	WB (Western Blot), Kinase Assay
Tag	GST
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree 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.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Kinase Activity Plot. For specific information on a given lot, see related technical data sheet.

ADDITIONAL INFORMATION

Related Product Information for IKKalpha recombinant protein	Full length recombinant human IKKalpha was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. The gene accession number is BC092514. IKKalpha 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 (1). IKKalpha is an essential regulator of NF-kappa-B-dependent gene expression through control of promoter-associated histone phosphorylation after cytokine exposure (2). IKKalpha is a critical component of the cytoplasmic transductional-transcriptional processor leading to induction of IFNalpha production. IKKalpha is also involved in the epidermis where it antagonizes mitogenic and angiogenic signals and represses tumor progression and metastases.
Product Categories/Family for IKKalpha recombinant protein	Protein Kinases ; AKT/PKB Pathway ; Apoptosis/Autophagy ; Cancer ; Inflammation ; Neurobiology ; Nfkb Pathway ; p38 Pathway ; Ser/Thr Kinases ; WNT Signaling

References	1. Anest, V.et.al: A nucleosomal function for I-kappa-B kinase-alpha in NF-kappa-B-dependent gene expression. Nature 423: 659-663, 2003. 2. Hoshino, K. et.al: I-kappa-B kinase-alpha is critical for interferon-alpha production induced by Toll-like receptors 7 and 9. Nature 440: 949-953, 2006.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	62531285
NCBI GeneID	1147
Molecular Weight	114.0 kDa
NCBI Official Full Name	Homo sapiens conserved helix-loop-helix ubiquitous kinase, mRNA
NCBI Official Synonym Full Names	component of inhibitor of nuclear factor kappa B kinase complex
NCBI Official Symbol	CHUK
NCBI Official Synonym Symbols	IKK1; IKKA; IKBKA; TCF16; NFKBIKA; IKK-alpha
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit alpha

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ikk-alpha-recombinant-protein-sf9-insect-cells-wb-western-blot-kinase-assay/73365>