

IKKbeta recombinant protein

IKKbeta, Active

CATALOG # AAA72989	HOST Sf9 insect cells using baculovirus	APPLICATIONS Western Blot
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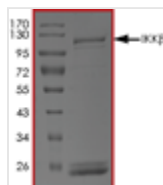
PRODUCT SYNONYMS

IKKbeta; Active; IKKbeta recombinant protein

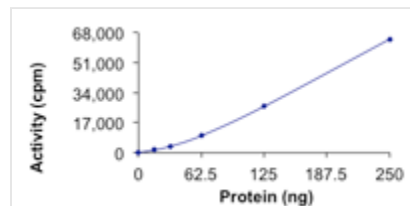
PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Form/Format	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Sequence Positions	Full length
Sequence Length	4131
Applicable Applications for IKKbeta recombinant protein	WB (Western Blot), Kinase Assay
Species	Human
Tag	GST tag
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



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for IKKbeta recombinant protein	Description: Full-length recombinant human IKKbeta was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag. Scientific Background: IKKbeta 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 IKKbeta is stimulated by TNF and IL1 and IKKbeta forms a heterodimer that interacts with NIK (1). Overexpression of catalytically inactive IKKbeta blocks cytokine-induced NF-kappa-B activation. Aspirin and sodium salicylate can specifically inhibit IKKbeta activity in vitro and in vivo by binding to IKKbeta to reduce ATP binding (2).
Product Categories/Family for IKKbeta recombinant protein	Enzymes; Active Kinases

References	1. Woronicz, J D. et al: IkappaB kinase-beta: NF-kappa-B activation and complex formation with IkappaB kinase-alpha and NIK. Science 278: 866-869, 1997. 2. Yin, M.-J. et al: The anti-inflammatory agents aspirin and salicylate inhibit the activity of I-kappa-B kinase-beta. Nature 396: 77-80, 1998.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	299758409
NCBI GeneID	3551
NCBI Accession #	NM_001556.2
NCBI GenBank Nucleotide #	NM_001556
UniProt Accession #	O14920; O75327; B4DZ30; B4E0U4
Molecular Weight	~115 kDa
NCBI Official Full Name	Homo sapiens inhibitor of nuclear factor kappa B kinase subunit beta (IKBKB), transcript variant 1, mRNA
NCBI Official Synonym Full Names	inhibitor of nuclear factor kappa B kinase subunit beta
NCBI Official Symbol	IKBKB
NCBI Official Synonym Symbols	IKK2; IKKB; IMD15; NFKBIKB; IKK-beta
NCBI Protein Information	inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Protein Name	Inhibitor of nuclear factor kappa-B kinase subunit beta
UniProt Gene Name	IKBKB
UniProt Synonym Gene Names	IKKB; I-kappa-B-kinase beta; IKK-B; IKK-beta; IkBKB; IKK2; NFKBIKB

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/ikbkb-recombinant-protein-sf9-insect-cells-using-baculovirus-wb-western-blot-kinase-assay/72989>