

Recombinant Human IKBKB

Cat. No. IKBKB-28877TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human IKK beta with N terminal proprietary tag, 53.79kDa.
Species	Human
Source	Wheat Germ
ProteinLength	256 amino acids
Description	The protein encoded by this gene phosphorylates the inhibitor in the inhibitor/NF-kappa-B complex, causing dissociation of the inhibitor and activation of NF-kappa-B. The encoded protein itself is found in a complex of proteins. Several transcript variants, some protein-coding and some not, have been found for this gene.
Molecular Weight	53.790kDa inclusive of tags
Tissue specificity	Highly expressed in heart, placenta, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis and peripheral blood.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw

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cycles.

Sequences of amino acids

MSWSPSLTTQTCGAWEMKERLGTGGFGNVIRWHNQETGEQ IAIKQCRQELSPRN
 RERWCLEIQIMRRLTHPNVVAARDVP EGMQNLAPNDLPLLAMEYCCGGDLRKYLN
 QFENCCGLREG AILTLLSDIASALRYLHENRIIHRDLKPENIVLQQGEQRL IHKIIDLGY
 AKELDQGSLCTSFVGTLLQYLAPELLEQQKYT VTVDYWSFGTLAFECITGFRPFLPN
 WQPVQCVRMWPGTVA HSCNPSTLGGRGRWIS

Sequence Similarities

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. I-kappa-B kinase subfamily. Contains 1 protein kinase domain.

GENE INFORMATION

Gene Name	IKBKB inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta [Homo sapiens]
Official Symbol	IKBKB
Synonyms	IKBKB; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta; inhibitor of nuclear factor kappa-B kinase subunit beta; IKK beta; IKK2; IKKB; NFKBIKB;
Gene ID	3551
mRNA Refseq	NM_001190720
Protein Refseq	NP_001177649
MIM	603258
Uniprot ID	O14920

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**Chromosome
Location**

8p11.2

Pathway

Activated TLR4 signalling, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem;

Function

ATP binding; I κ B kinase activity; nucleotide binding; protein binding; protein kinase activity;

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