

## Recombinant Human IKBKB, GST-His

Cat. No. IKBKB-2661H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IKK-beta, full length, amino acids M1-S756, N-terminal GST-HIS6 fusion protein with a Thrombin cleavage site, expressed in <i>Sf9 insect cells</i> .
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	1-756 a.a.
<b>Description</b>	IKK- $\beta$ also known as inhibitor of nuclear factor kappa-B kinase subunit beta is a protein that in humans is encoded by the IKBKB (inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta) gene.
<b>Purification</b>	Immobilized Metal Affinity Chromatography.
<b>Product Identity</b>	IKK-beta was confirmed as IKK-beta by mass spectroscopy LCESI-MS/MS.
<b>MW</b>	120.201 Da.
<b>Storage Buffer</b>	50 mM Tris-HCl, pH 7.5; 100 mM NaCl, 5 mM DTT, 20% glycerol.
<b>Concentration</b>	0.695 $\mu\text{g}/\mu\text{l}$ .
<b>Specific Activity</b>	2 pmol/ $\mu\text{g}\times\text{min}$ .

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<b>Storage</b>	-80°C. Avoid repeated freeze-thaw cycles!
<b>Full Length</b>	Full L.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	IKBKB inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta [ Homo sapiens ]
<b>Synonyms</b>	IKBKB; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta; I-kappa-B kinase 2; I-kappa-B-kinase beta; IKK-B; inhibitor of nuclear factor kappa-B kinase subunit beta; nuclear factor NF-kappa-B inhibitor kinase beta; IKK2; IKKB; NFKBIKB; FLJ33771; FLJ36218; FLJ38368; FLJ40509; IKK-beta; MGC131801; EC 2.7.11.10
<b>Gene ID</b>	3551
<b>mRNA Refseq</b>	NM_001190720
<b>Protein Refseq</b>	NP_001177649
<b>MIM</b>	603258
<b>UniProt ID</b>	O14920
<b>Chromosome Location</b>	8p11.2
<b>Pathway</b>	Acute myeloid leukemia; Colorectal cancer; ErbB signaling pathway; Fc epsilon RI signaling pathway; Focal adhesion; GnRH signaling pathway; Insulin signaling pathway; MAPK signaling pathway; NOD-like receptor signaling pathway; Neurotrophin signaling pathway; Pancreatic cancer; Pathways in cancer;

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Progesterone-mediated oocyte maturation; RIG-I-like receptor signaling pathway;  
Toll-like receptor signaling pathway; Type II diabetes mellitus

**Function**

ATP binding; I $\kappa$ B kinase activity; identical protein binding; nucleotide binding;  
protein heterodimerization activity; transcription activator activity; transferase activity

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