

Recombinant Human IKBKB, GST-His

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

SPECIFICATION

Product Overview	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> .
Species	Human
Source	Sf9 Cells
ProteinLength	1-756 a.a.
Description	IKK- β 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.
Purification	Immobilized Metal Affinity Chromatography.
Product Identity	IKK-beta was confirmed as IKK-beta by mass spectroscopy LCESI-MS/MS.
MW	120.201 Da.
Storage Buffer	50 mM Tris-HCl, pH 7.5; 100 mM NaCl, 5 mM DTT, 20% glycerol.
Concentration	0.695 $\mu\text{g}/\mu\text{l}$.
Specific Activity	2 pmol/ $\mu\text{g} \times \text{min}$.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	-80°C. Avoid repeated freeze-thaw cycles!
Full Length	Full L.
GENE INFORMATION	
Gene Name	IKBKB inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase beta [Homo sapiens]
Synonyms	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
Gene ID	3551
mRNA Refseq	NM_001190720
Protein Refseq	NP_001177649
MIM	603258
UniProt ID	O14920
Chromosome Location	8p11.2
Pathway	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; IkappaB kinase activity; identical protein binding; nucleotide binding;
protein heterodimerization activity; transcription activator activity; transferase activity

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