Recombinant Human CHUK

Cat. No. CHUK-27562TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human IKK alpha with a N terminal proprietary tag; molecular weight 114 kDa including tag.
Species	Human
Source	Sf9 Cells
ProteinLength	745 amino acids
Description	This gene encodes a member of the serine/threonine protein kinase family. The encoded protein, a component of a cytokine-activated protein complex that is an inhibitor of the essential transcription factor NF-kappa-B complex, phosphorylates sites that trigger the degradation of the inhibitor via the ubiquination pathway, thereby activating the transcription factor.
Molecular Weight	114.000kDa inclusive of tags
Tissue specificity	Widely expressed.
Biological activity	Specific activity is 2.5nm/min/mg
Form	Liquid
Purity	Densitometry

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Storage buffer	Preservative: NoneConstituents: 25% Glycerol, 50mM Tris HCl, 150mM Sodium chloride, 10mM Glutathione, 0.25mM DTT, 0.1mM EDTA, 0.1mM PMSF, pH 7.5
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
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	CHUK conserved helix-loop-helix ubiquitous kinase [Homo sapiens]
Official Symbol	CHUK
Synonyms	CHUK; conserved helix-loop-helix ubiquitous kinase; TCF16; inhibitor of nuclear factor kappa-B kinase subunit alpha; IkBKA; IKK alpha; IKK1; IKKA; NFKBIKA;
Gene ID	1147
mRNA Refseq	NM_001278
Protein Refseq	NP_001269
MIM	600664
Uniprot ID	O15111
Chromosome Location	10q24-q25
Pathway	AKT phosphorylates targets in the cytosol, organism-specific biosystem; Activated

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	TLR4 signalling, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System, organism-specific biosystem;
Function	ATP binding; IkappaB kinase activity; nucleotide binding; protein binding; protein kinase activity;

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