

Recombinant Human IKBKG, GST-tagged

Cat. No. IKBKG-195H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IKBKG (amino acid residues 2-418), fused with N-terminal GST, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	2-418 a.a.
Description	NEMO (NFκB Essential Modifier) is the prototypic member of a family of proteins that interact with Lys63-linked and linear polyubiquitin chains (Nanda et al.,2011). NEMO functions as a high affinity receptor for linear ubiquitin chains and a low affinity receptor for long lysine-linked ubiquitin chains. It is thought that this phenomenon could explain quantitatively distinct NF-κB activation patterns in response to numerous cell stimuli (Kensche et al., 2012).
Form	50 mM HEPES pH 7.5, 150 mM sodium chloride, 2 mM dithiothreitol, 10% glycerol
Molecular Mass	74.9kDa
Purity	>85% by SDS-PAGE
Storage	12 months at -70°C. Avoid multiple freeze/thaw cycles.
Concentration	0.5 mg/ml

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GENE INFORMATION

Gene Name	IKBKG inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma [Homo sapiens]
Official Symbol	IKBKG
Synonyms	IKBKG; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma; incontinentia pigmenti , IP1, IP2; NF-kappa-B essential modulator; FIP 3; FIP3; Fip3p; IKK gamma; NEMO; IKKG; IKKAP1; incontinentia pigmenti; Ikb kinase gamma subunit; ikB kinase subunit gamma; NFkappaB essential modulator; NF-kappa-B essential modifier; I-kappa-B kinase subunit gamma; ikB kinase-associated protein 1; inhibitor of nuclear factor kappa-B kinase subunit gamma; IP; IP1; IP2; IPD2; FIP-3; AMCBX1; IKK-gamma;
Gene ID	8517
mRNA Refseq	NM_001099856
Protein Refseq	NP_001093326
MIM	300248
UniProt ID	Q9Y6K9
Chromosome Location	Xq28
Pathway	Activated TLR4 signalling, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System,

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organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;

Function

metal ion binding; protein binding; protein domain specific binding; signal transducer activity;

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