

Recombinant Full Length Human IKBKG Protein, C-Flag-tagged

Cat. No. IKBKG-1054HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human IKBKG Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes the regulatory subunit of the inhibitor of kappaB kinase (IKK) complex, which activates NF-kappaB resulting in activation of genes involved in inflammation, immunity, cell survival, and other pathways. Mutations in this gene result in incontinentia pigmenti, hypohidrotic ectodermal dysplasia, and several other types of immunodeficiencies. A pseudogene highly similar to this locus is located in an adjacent region of the X chromosome.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	48 kDa
AA Sequence	MNRHLWKSQ LCEMVQPSGGPAADQDVLGEESPLGKPAMLHLPSEQGAPETLQRC LEENQELRDAIRQSNQ ILRERCEELLHFQASQREEKEFLMCKFQEARKLVERLGLEK LDLKRQKEQALREVEHLKRCQQQMAEDKA SVKAQVTSLLGELQESQSRLEAATKE CQALEGRARAASEQARQLESEREALQQQHSVQVDQLRMQGQSVE AALRMERQA ASEEKRKLAQLQVAYHQLFQEYDNHIKSSVVGSEKRGMQLEDLKQQLQQAEELV AKQEV IDKLKEEAEQHKIVMETVPVLKAQADIYKADFQAERQAREKLAEEKELLQEQ

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	LEQLQREYSKLGKASCQES ARIEDMRKRHVEVSQAPLPPAPAYLSSPLALPSQRRSP PEEPPDFCCPKCQYQAPDMDTLQIHVMETRIETRTRPLEQKLISEEDLAANDILDYKDD DDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Protein Pathways	Acute myeloid leukemia, Adipocytokine signaling pathway, Apoptosis, B cell receptor signaling pathway, Chemokine signaling pathway, Chronic myeloid leukemia, Cytosolic DNA-sensing pathway, Epithelial cell signaling in Helicobacter pylori infection, MAPK signaling pathway, NOD-like receptor signaling pathway, Pancreatic cancer, Pathways in cancer, Primary immunodeficiency, Prostate cancer, RIG-I-like receptor signaling pathway, Small cell lung cancer, T cell receptor signaling pathway, Toll-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

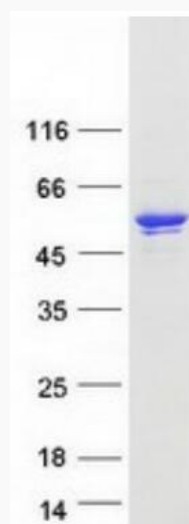
Gene Name	IKBKG inhibitor of nuclear factor kappa B kinase regulatory subunit gamma [Homo
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	sapiens (human)]
Official Symbol	IKBKG
Synonyms	IP; IP1; IP2; FIP3; IKKG; IPD2; NEMO; FIP-3; Fip3p; IMD33; SAIDX; AMCBX1; EDAID1; IKKAP1; ZC2HC9; IKK-gamma
Gene ID	8517
mRNA Refseq	NM_003639.4
Protein Refseq	NP_003630.1
MIM	300248
UniProt ID	Q9Y6K9



Coomassie blue staining of purified IKBKG protein.

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