

## Recombinant Human IKBKG, GST-tagged

**Cat. No.** IKBKG-14134H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| <b>Product Overview</b> | Recombinant Human IKBKG protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>ProteinLength</b>    | C-term-300a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene highly similar to this locus is located in an adjacent region of the X chromosome. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol.                                                                                                                                                                                                                                                                                                                                                                                              |

### GENE INFORMATION

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|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | IKBKG inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase gamma [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Official Symbol</b>     | IKBKG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Synonyms</b>            | 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; |
| <b>Gene ID</b>             | 8517                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>         | NM_001099856                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>      | NP_001093326                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>                 | 300248                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>          | Q9Y6K9                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Chromosome Location</b> | Xq28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Pathway</b>             | 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, organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;                                                                                                                         |

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**Function**

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

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