

## Recombinant Human IKBKE, GST-tagged

Cat. No. IKBKE-14133H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human IKBKE 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-350a.a.
<b>Description</b>	IKBKE is a noncanonical I-kappa-B (see MIM 164008) kinase (IKK) that is essential for regulating antiviral signaling pathways. IKBKE has also been identified as a breast cancer (MIM 114480) oncogene and is amplified and overexpressed in over 30% of breast carcinomas and breast cancer cell lines (Hutti et al., 2009 [PubMed 19481526]).
<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

<b>Gene Name</b>	IKBKE inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon [ Homo sapiens ]
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<b>Official Symbol</b>	IKBKE
<b>Synonyms</b>	IKBKE; inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon; inhibitor of nuclear factor kappa-B kinase subunit epsilon; IKK i; IKKE; KIAA0151; IKK-epsilon; I-kappa-B kinase epsilon; inducible IkappaB kinase; IKK-related kinase epsilon; inducible I kappa-B kinase; IKKI; IKK-E; IKK-i; MGC125294; MGC125295; MGC125297;
<b>Gene ID</b>	9641
<b>mRNA Refseq</b>	NM_001193321
<b>Protein Refseq</b>	NP_001180250
<b>MIM</b>	605048
<b>UniProt ID</b>	Q14164
<b>Chromosome Location</b>	1q31
<b>Pathway</b>	Activated TLR4 signalling, organism-specific biosystem; Activation of IRF3/IRF7 mediated by TBK1/IKK epsilon, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Hepatitis C, organism-specific biosystem; Hepatitis C, conserved biosystem; Herpes simplex infection, organism-specific biosystem;
<b>Function</b>	ATP binding; ATP binding; IkappaB kinase activity; NF-kappaB-inducing kinase activity; nucleotide binding; protein binding; protein kinase activity; transferase activity, transferring phosphorus-containing groups;

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