

Recombinant Human IKBKE, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant Human IKBKE protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	C-term-350a.a.
Description	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]).
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	IKBKE inhibitor of kappa light polypeptide gene enhancer in B-cells, kinase epsilon [Homo sapiens]
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 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Official Symbol	IKBKE
Synonyms	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;
Gene ID	9641
mRNA Refseq	NM_001193321
Protein Refseq	NP_001180250
MIM	605048
UniProt ID	Q14164
Chromosome Location	1q31
Pathway	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;
Function	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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