

## Recombinant Human TBK1 cell lysate

Cat. No. TBK1-1745HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Description</b>	The NF-kappa-B (NFKB) complex of proteins is inhibited by I-kappa-B (IKB) proteins, which inactivate NFKB by trapping it in the cytoplasm. Phosphorylation of serine residues on the IKB proteins by IKB kinases marks them for destruction via the ubiquitination pathway, thereby allowing activation and nuclear translocation of the NFKB complex. The protein encoded by this gene is similar to IKB kinases and can mediate NFKB activation in response to certain growth factors. For example, the protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK.
<b>Size</b>	100 ul
<b>Storage Buffer</b>	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
<b>Applications</b>	Western Blot;

### GENE INFORMATION

<b>Gene Name</b>	TBK1 TANK-binding kinase 1 [ Homo sapiens ]
<b>Official Symbol</b>	TBK1
<b>Synonyms</b>	TBK1; TANK-binding kinase 1; serine/threonine-protein kinase TBK1; NAK; NF-kB-

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	activating kinase; NF-kappa-B-activating kinase; T2K; FLJ11330;
<b>Gene ID</b>	<a href="#">29110</a>
<b>mRNA Refseq</b>	<a href="#">NM_013254</a>
<b>Protein Refseq</b>	<a href="#">NP_037386</a>
<b>MIM</b>	<a href="#">604834</a>
<b>UniProt ID</b>	<a href="#">Q9UHD2</a>
<b>Chromosome Location</b>	12q14.2
<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; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Hepatitis C, organism-specific biosystem;
<b>Function</b>	ATP binding; nucleic acid binding; nucleotide binding; phosphoprotein binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;

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