

Recombinant Human TBK1 protein, GST-tagged

Cat. No. TBK1-334H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TBK1(1 a.a. - 729 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
ProteinLength	1-729 a.a.
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	110 kDa
AA Sequence	MQSTSNHLWLLSDILGQGATANVFRGRHKKTGDLFAIKVFNNISFLRPVDVQMREFE VLKKNLHNKIVKLFAIEE ETTTRHKVLIMEFCPCGSLYTVLEEPSNAYGLPESEFLIVL RDVVGGMNHLRENGIVHRDIKPGNIMRVIGEDGQ SVYKLTDFGAARELEDDEQFVS LYGTEEYLHPDMYERAVLRKDHQKKYGATVDLWSIGVTFYHAATGSLPFRPFE GPR RNKEVMYKIITGKPSGAISGVQKAENGPIDWSGDMPVSCSLSRGLQVLLTPVLANILE

 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

ADQEKCWGFDQFFA ETSDILHRMVIHVFSLQQMTAHKIYIHSYNTATIFHELVYKQTK
 IISSNQELIYEGRRVLLEPGRLAQHFPKTTE ENPIFVVSREPLNTIGLIYEKISLPKVHP
 RYDLGDASMAKAITGVVCYACRIASTLLLYQELMRKGIRWLIELI KDDYNETVHKKT
 EVVITLDFCIRNIEKTVKVYEKLMKINLEAAELGEISDIHTKLLRLSSSQGTIETSLQDID
 SR LSPGGSLADAWAHQEGTHPKDRNVEKLQVLLNCMTEIYYQFKKDKAERRLAYN
 EEQIHKFDKQKLYYHATKAMTH FTDECVKKYEAFLNKSEEWIRKMLHLRKQLLSLTN
 QCFDIEEEVSKYQEYTNELQETLPQKMFTASSGIKHTMTP IYPSSNTLVEMTLGMKK
 LKEEMEGVVKELAENNHILERFGSLTMDGGLRNVDC

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

TBK1 TANK-binding kinase 1 [Homo sapiens]

Official Symbol

TBK1

Synonyms

TBK1; TANK-binding kinase 1; serine/threonine-protein kinase TBK1; NAK; NF-kB-activating kinase; NF-kappa-B-activating kinase; T2K; FLJ11330;

Gene ID

29110

mRNA Refseq

NM_013254

Protein Refseq

NP_037386

 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

MIM	604834
UniProt ID	Q9UHD2
Chromosome Location	12q14.2
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; Cytosolic sensors of pathogen-associated DNA, organism-specific biosystem; DAI mediated induction of type I IFNs, organism-specific biosystem; Hepatitis C, organism-specific biosystem;
Function	ATP binding; nucleic acid binding; nucleotide binding; phosphoprotein binding; protein binding; protein kinase activity; protein serine/threonine kinase activity;