

Recombinant Full Length Human TBK1 Protein, GST-tagged

Cat. No. TBK1-688HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human TBK1(1 a.a. - 729 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	729 amino acids
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	MQSTSNHLWL LSDILGQGAT ANVFRGRHKK TGD LFAIKVF NNISFLRPVD VQMREFEVLK KLNHNKIVKL FAIEEETTTR HKVLIMEFCP CGSLYTVLEE PSNAYGLPES EFLIVLRDVV GGMNHLRENG IVHRDIKPGN IMRVIGEDGQ SVYKLTDFGA ARELEDDEQF VSLYGTEEYL HPDMYERAVL RKDHQKKYGA TVDLWSIGVT FYHAATGSLP FRPFEGPRRN KEV MYKIITG KPSGAISGVQ

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KAENGPIDWS GDMPVSCSL S RGLQVLLTPV LANILEADQE KCWGFDQFFA
 ETSDILHRMV IHVFSLQQMT AHKIYHSYN TATIFHELVY KQTKIISNQ
 ELIYEGRRLV LEPGRLAQHF PKTTEENPIF VVSREPLNTI GLIYEKISLP
 KVHPRYDLDG DASMAKITG VVCYACRIAS TLLYQELMR KGIRWLIELI
 KDDYNETVHK KTEVVITLDF CIRNIEKTVK VYEKLMKINL EAAELGEISD
 IHTKLLRLSS SQGTIETSLQ DIDSRLSPGG SLADAWAHQE GTHPKDRNVE
 KLQVLLNCMT EIYYQFKKDK AERRLAYNEE QIHKFDKQKL YYHATKAMTH
 FTDECVKKYE AFLNKSEEWI RKMLHLRKQL LSLTNQCFDI EEEVSKYQEY
 TNELQETLPQ KMFTASSGIK HTMTPIYPSS NTLVEMTLGM KKLKEEMEGV
 VKELAENNHI LERFGSLTMD GGLRNVDCI

Applications

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

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

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MIM	604834
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UniProt ID	Q9UHD2
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