

Recombinant Full Length Human TBK1 Protein, C-Flag-tagged

Cat. No. TBK1-351HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human TBK1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	83.5 kDa
AA Sequence	MQSTSNHLWLLSDILGQGATANVFRGRHKKTGDLFAIKVFNNISFLRPVDVQMQREFE VLKKLNHNKIVKL FAIEEETTRHKVLIMEFCPCGSLYTVLEEPSNAYGLPESEFLIVL RDVVGGMNHLRENGIVHRDIKPGN IMRVIGEDGQSVYKLTDFGAARELEDDEQFVS LYGTEEYLHPDMYERAVLRKDHQKKYGATVDLWSIGVT FYHAATGSLPFRPFEGPR RNKEVMYKIITGKPSGAISGVQKAENGPIDWSGDMPVSCSLSRGLQVLLTPV LANIL EADQEKCWGFDQFFAETSDILHRMVIHVFSLQQMTAHKIYIHSYNTATIFHELVIKQT KIISSNQ ELIYEGRRRLVLEPGRLAQHFPKTTEENPIFVVSREPLDTIGLIYEKISLPKVH

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PRYDLGDASMAKAITG VVCYACRIASTLLLYQELMRKGIRWLIELIKDDYNETVHKK
 TEVVITLDFCIRNIEKTVKVYEKLMKINL EAAELGEISDIHTKLLRLSSSQGTIETSLQDI
 DSRLSPGGSLADAWAHQEGTHPKDRNVEKLQVLLNCMT EIYYQFKKDQAERRLAY
 NEEQIHKFDKQKLYYHATKAMTHFTDECVKKYEAFLNKSEEWIRKMLHLRKQL LSLT
 NQCFDIEEEVSKYQEYTNELQETLPQKMFTASSGIKHTMTPIYPSSNTLVEMTLGMK
 KLKEEMEGV
 VKELAENNHILERFGSLTMDGGLRNVDCLTRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Protein Pathways	Cytosolic DNA-sensing pathway, RIG-I-like receptor signaling pathway, Toll-like receptor signaling pathway
Full Length	Full L.

GENE INFORMATION

Gene Name [TBK1 TANK binding kinase 1 \[Homo sapiens \(human\) \]](#)

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Official Symbol	TBK1
Synonyms	NAK; T2K; IIAE8; FTDALS4
Gene ID	29110
mRNA Refseq	NM_013254.4
Protein Refseq	NP_037386.1
MIM	604834
UniProt ID	Q9UHD2

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