

Recombinant Human TBK1 Protein, His-tagged

Cat. No. TBK1-117H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human TBK1 Protein, fused to His-tag, was expressed in E.coli.
Species	Human
Source	E.coli
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. The protein is also an important kinase for antiviral innate immunity response.
Form	Supplied as a 0.2 µm filtered solution in PBS pH8.0.
Molecular Mass	~87.1 kDa
AA Sequence	<p>MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSMQSTSNHLWLLSDILGQGA TANVFRGRHKKTGDLFAIKVFNNISFLRPVDVQMREFEVLKKNHKNIVKLF AIEEETT TRHKVLIMEFCPCGSLYTVLEEPSNAYGLPESEFLIVLRDVVGGMNHLENGIVHRDI KPGNIMRVIGEDGQSVYKLTDFGAARELEDDEQFVSLYGTEEYLHPDMYERAVLRK DHQKKYGATVDLWSIGVTFYHAATGSLPFRPFEGPRRNKEVMYKIITGKPSGAISGV QKAENGPIDWSGDMPVSCSLSRGLQVLLTPVLANILEADQEKCWGFDQFFAETSDIL HRMVIHVFSLQQMTAHKIYIHSYNTATIFHELVYKQTKIISSNQELIYEGRRLVLEPGRL</p>

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AQHFPKTTEENPIFVVSREPLNTIGLIYEKISLPKVHPRYDLGDASMAKAITGVVCYA
 CRIASTLLLYQELMRKGIRWLIELIKDDYNETVHKKTEVVITLDFCIRNIEKTVKVYEKL
 MKINLEAAELGEISDIHTKLLRLSSSQGTIETSLQDIDSRLSPGGSLADAWAHQEGTH
 PKDRNVEKLQVLLNCMTEIYYQFKDKAERRLAYNEEQIHKFDKQKLYYHATKAMTH
 FTDECVKKYEAFLNKSEEWIRKMLHLRKQLLSLTNQCDFIEEEVSKYQEYTNELQET
 LPQKMFTASSGIKHTMTPIYPSSNTLVEMTLGMKKLKEEMEGVVKELAENNHILERF
 GSLTMDGGLRNVDCLE

Purity >70%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.025 mg/ml

GENE INFORMATION

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

Official Symbol [TBK1](#)

Synonyms NAK; T2K; IIAE8; FTDALS4

Gene ID [29110](#)

mRNA Refseq [NM_013254](#)

Protein Refseq [NP_037386](#)

MIM [604834](#)

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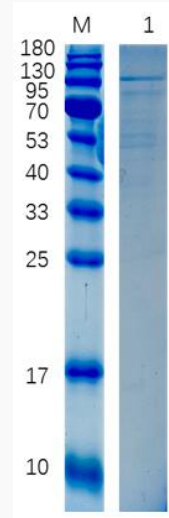
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UniProt ID

Q9UHD2

SDS-PAGE



12% reducing SDS-PAGE analysis of purified TBK1.

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