

Active Recombinant Human TBK1 Protein

Cat. No. TBK1-010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human recombinant full length TBK1 protein without tag was expressed in insect cells (baculovirus).
Species	Human
Source	Insect Cells
ProteinLength	1-729
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.
Bio-activity	ATPase activity confirmed by ADP detection assay.
Molecular Mass	84 kDa
Purity	≥50% estimated by SDS-PAGE
Stability	≥ 1 year
Storage	Store at -80 centigrade.

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Storage Buffer 50 mM HEPES, pH 8.0, with 150 mM sodium chloride, and 10% glycerol

GENE INFORMATION

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

Official Symbol TBK1

Synonyms TBK1; TANK binding kinase 1; NAK; T2K; IIAE8; FTDALS4; serine/threonine-protein kinase TBK1; NF-kB-activating kinase; NF-kappa-B-activating kinase; EC 2.7.11.1

Gene ID 29110

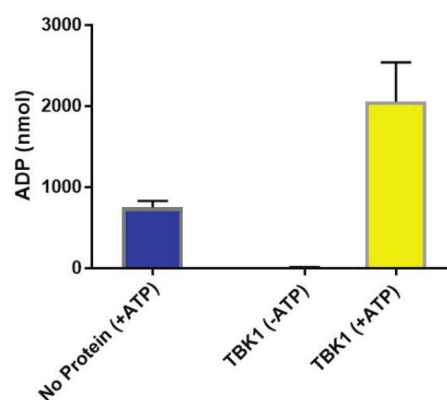
mRNA Refseq NM_013254

Protein Refseq NP_037386

MIM 604834

UniProt ID Q9UHD2

ATPase Activity of TBK1

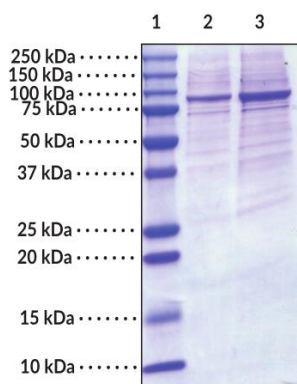


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**SDS-PAGE analysis
of TBK1**



Lane 1: MW Markers

Lane 2: TBK1 (2 µg)

Lane 3: TBK1 (4 µg)