

Recombinant Human TANK-binding Kinase 1

Cat. No. TBK1-732H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human TBK1, full length, amino acids M1-L729, untagged, expressed in Sf9 insect cells. MW = 84,225 Da.
Species	Human
Source	Sf9 Cells
Protein Length	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.
Purification	GST-Affinity Chromatography.
Product Identity	TBK1 Lot 004 was confirmed as TBK1 by mass spectroscopy LC-ESI-MS/MS.
Storage Buffer	50 mM HEPES pH 7.5, 100 mM NaCl, 5 mM DTT, 20% glycerol.
Concentration	0.086 µg/µl (Bradford method using BSA [Sigma, cat# A-7638, Lot 79H7641] as standard protein).

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Specific Activity	200 pmol/μg×min.
Storage	-80°C. Avoid repeated freeze-thaw cycles!
Full Length	Full L.
GENE INFORMATION	
Gene Name	TBK1 TANK-binding kinase 1 [Homo sapiens]
Synonyms	TBK1; TANK-binding kinase 1; NAK; T2K; FLJ11330; NF-kB-activating kinase; EC 2.7.11.1; NF-kappa-B-activating kinase; Serine/threonine-protein kinase TBK1
Gene ID	29110
mRNA Refseq	NM_013254
Protein Refseq	NP_037386
MIM	604834
UniProt ID	Q9UHD2
Chromosome Location	12q14.1
Pathway	RIG-I-like receptor signaling pathway; Toll-like receptor signaling pathway
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; transferase activity

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