



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### TBK1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00029110-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human TBK1 full-length ORF ( NP\_037386.1, 1 a.a. - 729 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MQSTSNHLWLLSDILGQGATANVFRGRHKKTGDLFAI  
KVFNNISFLRPVDVQMREFEVLKKNHKNIVKLFAlEEE  
TTTRHKVLIMEFCPCGSlyTVLEEPSNAYGLPESEFLIV  
LRDVVGGMNHLENGIVHRDIKPGNIMRVIGEDGQSV  
YKLTDFGAARELEDDEQFVSLYGTEEYLHPDMYERAV  
LRKDHQKKYGATVDLWSIGVTFYHAATGSLPFRPFEG  
PRRNKEVMYKIITGKPSGAISGVQKAENGPIDWSGDM  
PVSCSLSRGLQVLLTPVLANILEADQEKCWGFDDQFFA  
ETSDILHRMVIHVFSLQQMTAHKIYHSYNTATIFHELVI  
KQTKIISNQELIYEGRRLLVLEPGRLAQHFPKTTEENPI  
FVVSREPLNTIGLIYEKISLPKVHPRYDLGDASMAKAI  
TGVVVCYACRIASLLLLYQELMRKIRWLIELIKDDYNET  
VHKKTEVVITLDFCIRNIEKTVKVYEKLMKINLEAAELGE  
ISDIHTKLLRLSSSQGTIETSLQDIDSRSLSPGGSLADAW  
AHQEGTHPKDRNVEKLVLLNCMTEIYYQFKKDKAER  
RLAYNEEQIHKFDKQKLYYHATKAMTHFTDECVKKYE  
AFLNKSEEWIRKMLHLRQKLLSLTNQCDFIEEEVSKYQ  
EYTNELQETLPQKMFTASSGIKHTMTPIYSSNTLVEM  
TLGMKKLKEEMEGVVKELAENNHILERFGSLTMDGGL  
RNVDCI

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 110

**Interspecies Antigen Sequence:** Mouse (94); Rat (94)

**Applications:** AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

**Protocols:** See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 29110

**Gene Symbol:** TBK1

**Gene Alias:** FLJ11330, NAK, T2K

**Gene Summary:** 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. For example, the protein can form a complex with the IKB protein TANK and TRAF2 and release the NFKB inhibition caused by TANK. [provided by RefSeq]

**References:**

1. RKIP and TBK1 form a positive feedback loop to promote type I interferon production in innate immunity. Gu M, Liu Z, Lai R, Liu S, Lin W, Ouyang C, Ye S, Huang H, Wang X. EMBO J. 2016 Oct 17. [Epub ahead of print]