



# SZABO SCANDIC

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## Produktinformation



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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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## Datasheet

### NFKB1 (Human) Recombinant Protein (P01)

**Catalog Number:** H00004790-P01

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

**Product Description:** Human NFKB1 full-length ORF (AAH51765.1, 1 a.a. - 969 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAEDDPYLGRPEQMFHLDPSLTHITFNPEVFQPMAL  
PTADGPYLQILEQPKQRGFRFRYVCEGSPHGGGLPGAS  
SEKNKKSYPQVKICNYVGPAAKIVIVQLVTNGKNIHLHAH  
SLVGKHCEDGICTVTAGPKDMVVGAFANLGHVTKKKV  
FETLEARMTEACIRGYNPGLLVHPDLAYLQAEAGGDR  
QLGDREKELIRQAALQQTKEMDLSVVRMLMFTAFLPDS  
TGSFTRRLEPVVSDAIYDSKAPNASNLKIVRMDRTAGC  
VTGGEEIYLLCDKVQKDDIQRIFYEEEEENGGVWEGFG  
DFSPTDVHRQFAIVFKTPKYKDINITKPASVVFVQLRRKS  
DLETSEPKPFLYYPEIKDKEEVQRKRQKLMNPFSDSF  
GGGSGAGAGGGGMFGSGGGGGTGSTGPGYSFPH  
YGFPTYGGITFHPGTTKSNAGMKHGTMDTESKKDPE  
GCDKSDDKNTVNLFGKVIETTEQDQEPSEATVGNGEV  
TLTYATGTKEESAGVQDNLFLKAMQLAKRHANALFD  
YAVTGDVKMLLAVQRHLTAVQDENGDSVLHLAIIHLHS  
QLVRDLLEVTSGSLISDDIINMRNDLYQTPHLAVITKQE  
DVVEDLLRAGADLSLLDRLGNSVLHLAAKEGHDKVLSI  
LLKHKKAALLLDHPNGDGLNAILHAMMSNSLPCLLLLV  
AAGADVNAQEKSRTALHLAVEHDNISLAGCLLLEG  
DAHVDSTTYDGTTPHIAAGRGSTRLAALLKAAGADPL  
VENFEPLYDLDDSWENAGEDEGVVPGTTPLDMATSW  
QVFDILNGKPYEPEFTSDDLLAQGDMKQLAEDVKLQL  
YKLEIPDPDKNWATLAQKLGILNNAFRLSPAPSKTL  
MDNYEVSGGTVRELVEALRQMGYTEAIEVIQAASSPV  
KTTSQAHSPLSPASTRQQIDELRSDSVCDSDGVETS  
FRKLSFTESLTSGASLLTLNKMPHDYQGEGPLEGKI

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

**Theoretical MW (kDa):** 131.8

**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:** 4790

**Gene Symbol:** NFKB1

**Gene Alias:** DKFZp686C01211, EBP-1, KBF1, MGC54151, NF-kappa-B, NFKB-p105, NFKB-p50, p105, p50

**Gene Summary:** This gene encodes a 105 kD protein which can undergo cotranslational processing by the 26S proteasome to produce a 50 kD protein. The 105 kD protein is a Rel protein-specific transcription inhibitor and the 50 kD protein is a DNA binding subunit of the NF-kappa-B (NFKB) protein complex. NFKB is a transcription regulator that is activated by various intra- and extra-cellular stimuli such as cytokines, oxidant-free radicals, ultraviolet irradiation, and bacterial or viral products. Activated NFKB translocates into the nucleus and stimulates the expression of genes involved in a wide variety of biological functions. Inappropriate activation of NFKB has been associated with a number of inflammatory diseases while persistent inhibition of NFKB leads to inappropriate immune cell development or delayed cell growth. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

**References:**

1. Anticancer effect of tectochrysin in colon cancer cell via suppression of NF-kappaB activity and enhancement of death receptor expression. Park MH, Hong JE, Park ES, Yoon HS, Seo DW, Hyun BK, Han SB, Ham YW, Hwang BY, Hong JT. Mol Cancer. 2015 Jun 30;14:124.