Recombinant Human NFKB1 protein, His & GST-tagged

Cat. No. NFKB1-1847H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NFKB1 aa. (Gln805~Ser892 (Accession # P19838)) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gln805~Ser892
Description	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. Alternative splicing results in multiple transcript variants encoding different isoforms, at least one of which is proteolytically processed.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 42.1kDa.

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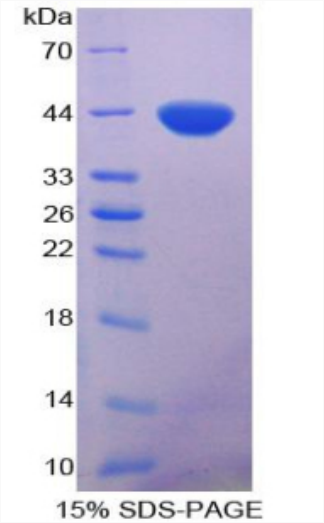
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	NFKB1 nuclear factor kappa B subunit 1 [Homo sapiens (human)]
Official Symbol	NFKB1
Synonyms	TNNT1; troponin T1, slow skeletal type; ANM; TNT; NEM5; STNT; TNTS; troponin T, slow skeletal muscle; slow skeletal muscle troponin T; troponin T type 1 (skeletal, slow); troponin-T1, skeletal, slow

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Gene ID	4790
mRNA Refseq	NM_001165412.1
Protein Refseq	NP_001158884.1
UniProt ID	P19838



SDS-PAGE

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