

Recombinant Human NFkB1 protein, T7/His-tagged

Cat. No. NFkB1-120H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human NFkB p50 subunit cDNA (2 - 433aa, derived from BC051765) fused with T7/His/TEV cleavage site 29aa Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-433 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGRHHHHHHGNLYFQGGEFAEDDPYLGRPEQMFHLDPSLTHTIF NPEVFQPQMALPTADGPYLQI LEQPKQRGFRFRYVCEGPSHGGLPGASSEKNKKS YPQVKICNYVGPAAKVVQLVTNGKNIHLHAHSLVGKHCEG ICTVTAGPKDMVVGFA NLGILHVTKKKVFETLEARMTEACIRGYNPGLLVHPDLAYLQAEGGGDRQLGDREKE LI RQAALQQTKEMDLSVVRMLMFTAFLPDSTGSFTRRLEPVVSDAIYDSKAPNASNLKI VRMDRTAGCVTGGEEIYLL CDKVQKDDIQIRFYEEEENGWVWEGFGDFSPDTHVR QFAIVFKTPKYKDINITKPASVFLRRKSDLETSEPKP FLYYPEIKDKEEVQRKRQK LMPNFSDFSFGGGSGAGAGGGGGMFGSGGGGGGTGSTGPGYSFPHYGFPTYGGITF HP GTTKSNAGMKHG
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro human NFkB functional regulations study using NFkB p50

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subunit protein mediated intracellular delivery.2. May be used as specific substrate protein for kinase and ubiquitin related enzyme functional screening assays.3. May be used as antigen for specific antibody production.

Storage Keep at -20°C for long term storage. Product is stable at 4 °C for at least 30 days.

GENE INFORMATION

Gene Name NFKB1 nuclear factor of kappa light polypeptide gene enhancer in B-cells 1 [Homo sapiens]

Official Symbol NFKB1

Synonyms NFKB1; nuclear factor of kappa light polypeptide gene enhancer in B-cells 1

Gene ID 4790

mRNA Refseq NM_001165412

Protein Refseq NP_001158884

MIM 164011

UniProt ID P19838

Chromosome Location 4q24

Pathway Activated TLR4 signalling, organism-specific biosystem; Activation of NF-kappaB in B Cells, organism-specific biosystem; Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adaptive Immune System,

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organism-specific biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem;

Function

nucleic acid binding transcription factor activity; protein binding; regulatory region DNA binding; sequence-specific DNA binding transcription factor activity; transcription regulatory region DNA binding; transcription regulatory region sequence-specific DNA binding;

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