



Recombinant Human NFkB
(rhNFkB)
Catalog #MB9128

Product Description

NFkB(p50) belongs to the superfamily of human NFkB transcription factors. NFkB family members include p50/p105, p52/p100, RelA(p65), RelB and cRel. NFkB(p50) associates with NFkB family members to form homo- or heterodimers. Upon activation by environmental stimuli such as stress, cytokines, bacterial or viral molecules, NFkB complex could translocate into the nucleus and bind to target DNA, regulating gene expression involved in inflammatory reactions, immune responses, cell proliferation and differentiation, and apoptosis.

Specifications

Synonyms	NFkB1, NF kappaB, NF kappa B, NFkB p50, NFkB p105, Nuclear factor kappa B, EBP-1.
Sequence	MGSSHHHHHHSSGLVPRGSHMAEDDPYLGRPEQMFHLDP SLTHTIFNPEVFQPPMALPTDGPYLQILEQPKQRGFRFRYV CEGPSHGGLPGASSEKNNKSYPQVKICNYVGPAKVIVQLV TNGKNIHLHAHSLVGKHCEDGICTVTAGPKDMVVGFANL GILHVTKKKVFETLEARMTEACIRGYNPGLLVHPDLAYLQ AEGGGDRQLGDREKELIRQAALQQTKEMDLSVVRLMFTA FLPDSTGSFTRRLEPVVSDAIYDSKAPNASNLKIVRMDRTA GCVTGGEIYLLCDKVQKDDIQIRFYEEEENGGVWEGFGD FSPTDVHRQFAIVFKTPKYKDINITKPASVVFVQLRRKSDLET SEPKPFLYPEIKDKEEVQRKRQKLMPNFSDSFGGGSGAG AGGGGMFGSGGGGGGTGSTGPGYSFPHYGFPTYGGITFHP GTTKSNAGMKHG
Source	<i>Escherichia coli</i>
Molecular Weight	Approximately 49.7 kDa
Purity	> 95% by SDS-PAGE
Physical Appearance	White lyophilized powder
Endotoxin	<0.1 ng/μg of protein (<1 EU/μg)

Rev. 0

Formulation

Lyophilized from a 0.2µm filtered solution in PBS, pH 7.4.

Product Usage

This product is for research use only. It is not approved for use in humans, animals, or *in vitro* diagnostic procedures.

Reconstitution

Reconstitute in sterile distilled water or saline.

Storage

Upon reconstitution, store at 2-8 °C for up to one week. For maximal stability, aliquot and store at -20 °C. Avoid repeated freeze/thaw cycles.

Shipping

Gel ice. Store at -20°C after receiving.