



NF-κB SN50 Peptide

Store at -20°C

Catalog No. 11216-036 0.5 mg

PEPTIDE NAME: NF-κB SN50, cell-permeable inhibitory peptide

SEQUENCE: Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Val-Gln-Arg-Lys-Arg-Gln-Lys-Leu-Met-Pro

CATALOG NO.: 11216-036 **SIZE:** 0.5 mg

SEQUENCE DESCRIPTION: Contains the nuclear localization sequence (NLS residues 360-369) of the transcription factor NF-κB p50 linked to the hydrophobic region (h-region) of the signal peptide of Kaposi fibroblast growth factor (K-FGF).

MOLECULAR WEIGHT: 2781.5

PURITY: >97% by HPLC analysis.

AMINO ACID ANALYSIS AND IDENTITY: Confirms.

PEPTIDE CONTENT: %

SUPPLIED AS: Trifluoroacetate salt; 0.5 mg net peptide/vial.

PHYSICAL APPEARANCE: Lyophilized solid.

SOLUBILITY: H₂O, Ethanol, 50/50 Ethanol/water

STORAGE: -20°C

USAGE: Peptide inhibits translocation of the NF-κB active complex into the nucleus. In murine endothelial LE-II cells induced with LPS, inhibition of NF-κB nuclear translocation was 88% at 50 μg/ml (18 μM). In human monocytic THP-1 cells induced by LPS or TNFα there was 85% inhibition at 100 μg/ml.

LITERATURE REFERENCES:

Y-Z. Lin *et al. J. Biol. Chem.* 1995 **270** 14255