



NF κ B SN50 Control Peptide

Store at -20°C

Catalog No. 11216-037 0.5 mg

PEPTIDE NAME: NF- κ B SN50M, cell-permeable control peptide

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

CATALOG NO.: 11216-037

SIZE: 0.5 mg

SEQUENCE DESCRIPTION: Inactive control peptide for the cell-permeable NF- κ B inhibitory peptide, SN50 (Marligen catalog #11216-036). Contains an inactive, mutated form of the nuclear localization sequence of transcription factor NF- κ B p50 (NLS residues 360-369, Lys-363 \rightarrow Asn, Arg-364 \rightarrow Gly) linked to the hydrophobic region (h-region) of the signal peptide of Kaposi fibroblast growth factor (K-FGF).

MOLECULAR WEIGHT: 2668.0

PURITY: >97% by HPLC analysis.

AMINO ACID ANALYSIS AND IDENTITY: Confirms.

PEPTIDE CONTENT: 71.4%

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

PHYSICAL APPEARANCE: Lyophilized solid.

SOLUBILITY: H₂O

STORAGE: -20°C

USAGE: Peptide is inactive control for of SN50 peptide (Marligen catalog# 11216-036). In murine endothelial LE-II cells, induced with LPS, 50 μ g/ml SN50M had no measurable effect on NF- κ B translocation. In human monocytic THP-1 cells induced by LPS or TNF α there was slight inhibition at 100 μ g/ml.

LITERATURE REFERENCES:

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