



p53 Activator (fusion peptide 46)

Store at -20°C

Catalog No. 11216-044 0.5 mg

PEPTIDE NAME: p53 Activator (fusion peptide 46), cell permeable

SEQUENCE: Gly-Ser-Arg-Ala-His-Ser-Ser-His-Leu-Lys-Ser-Lys-Lys-Gly-Gln-Ser-Thr-Ser-Arg-His-Lys-Lys-Trp-Lys-Met-Arg-Arg-Asn-Gln-Phe-Trp-Val-Lys-Val-Gln-Arg-Gly

CATALOG NO.: 11216-044

SIZE: 0.5 mg

SEQUENCE DESCRIPTION: Contains the single-strand DNA end binding site of p53 (amino acids 361-382; underlined)^{1,2} linked to the *Drosophila* Antennapedia homeodomain protein sequence to allow cell-permeability³.

MOLECULAR WEIGHT: 4434.1

PURITY: >98% by HPLC analysis.

AMINO ACID ANALYSIS AND IDENTITY: Confirms.

PEPTIDE CONTENT: 61.7%

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

PHYSICAL APPEARANCE: Lyophilized solid.

SOLUBILITY: H₂O

STORAGE: -20°C

USAGE: Rescues p53 growth inhibition function (5 µg/ml) in human osteosarcoma Saos-2 subline transfected with His-273 p53 mutant; induced 56% apoptosis in Burkitt lymphoma cell line Ew36 carrying wt p53 in 24 h at 20 µM; and in mutant p53 cell lines BL41 (20%) and SW480 (25%); but no effect in p53 null cell lines HL60 and Saos-2¹.

LITERATURE REFERENCES:

1. G. Selivanova *et al.* *Nature Medicine* 1997 **3** 632
2. G. Selivanova *et al.* *Nucleic Acids Res.* 1996 **24** 3560
3. J. Brigidou *et al.* *Biochem. Biophys. Res. Commun.* 1995 **214** 685