p53 activator

p53 activator

A peptide corresponding to 'peptide 46', (aa 361-382), which corresponds to the single-stranded DNA-end binding site of p53. This sequence is an activator of wild-type and certain p53 mutants. Fusion Peptide 46, a 35-mer peptide, consists of peptide 46 linked to a sequence from the third helix of *Drosophila* Antennapedia homeodomain protein in order to confer cell permeability. The p53 Activator (Fusion Peptide 46) has been demonstrated to have numerous effects including: rescue of p53 growth inhibition (5 µg/ml) in a human osteosarcoma Saos-2 subline transfected with His^{273} p53 mutant; at 20 µM, it induced 56% apoptosis in Burkitt lymphoma cell line Ew36 carrying wt p53; and it induced apoptosis in mutant p53 cell lines BL41 (20%) and SW480 (25%). It has no effect in p53 null cell lines HL60 and Saos-21. The p53 activator peptide is a useful tool to study p53.

Manuals, SDS & CofA

View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Fusion peptide 46
Appearance	Lyophilized solid.
MW	4434.1
Purity	≥97% (HPLC)
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
Solubility	Soluble in Water.

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