

DATASHEET

Version: 2016-08-18

HIV-1 TAT Protein Peptide**Cat. No.:** RP10129-0.5**Size:** 0.5 mg**Alias:** HIV-1 TAT Protein Peptide; HIV1 TAT Protein
PeptideHIV-1 TAT; HIV1 TAT**Description:**

HIV-1 TAT Protein Peptide is known to be a protein and particle transduction domain (PTD) and at the same time to comprise a nuclear localization function (NLS). Oligomers of the TAT (47-57) peptide compact plasmid DNA to nanometric particles and stabilize DNA towards nuclease degradation. At optimized vector compositions, these peptides mediate gene delivery to cells in culture six to eight times more efficiently than poly-L-arginine or the mutant TAT2-M1.

Sequence (one-letter code):

YGRKKRRQRRR

Sequence (three-letter code):{TYR}{GLY}{ARG}{LYS}{LYS}{ARG}{ARG}{GLN}{ARG}{ARG}{
ARG}**Formula:** C₆₄H₁₁₈N₃₂O₁₄**Molecular Weight:** 1,559.9**Purity:** > 95%**Storage:**

Store the peptide at -20°C. Keep container tightly closed.

Store in a cool dry place.

Note:

*For Non-Clinical Research Use Only *

