

HuSH shRNA Plasmid, pGFP-A-shAAV

pGFP-A-shAAV shRNA Cloning Plasmid Catalog # TR30034

Product Description:

- Plasmid vector for cloning shRNA expression cassettes
- Designed for long term gene silencing studies
- Ampicillin and Puromycin resistance markers for easy selection of transformed or transfected cells
- U6 polymerase III promoter for shRNA expression
- Serotype: AAV2; Helper-free packaging method to produce AAV particles
- BamH1 and HindIII sites convenient for shuttling existing HuSH cassettes

Content: Each vial contains 5 ug of dried and purified plasmid DNA.

Storage and Stability: The plasmid is stable for at least 1 yr at -20°C from the date of shipment.

Guarantee: This product is guaranteed for the correct sequences and listed functions.

Related Products: Specific HuSH constructs are available at OriGene covering the full human, mouse and rat genomes.

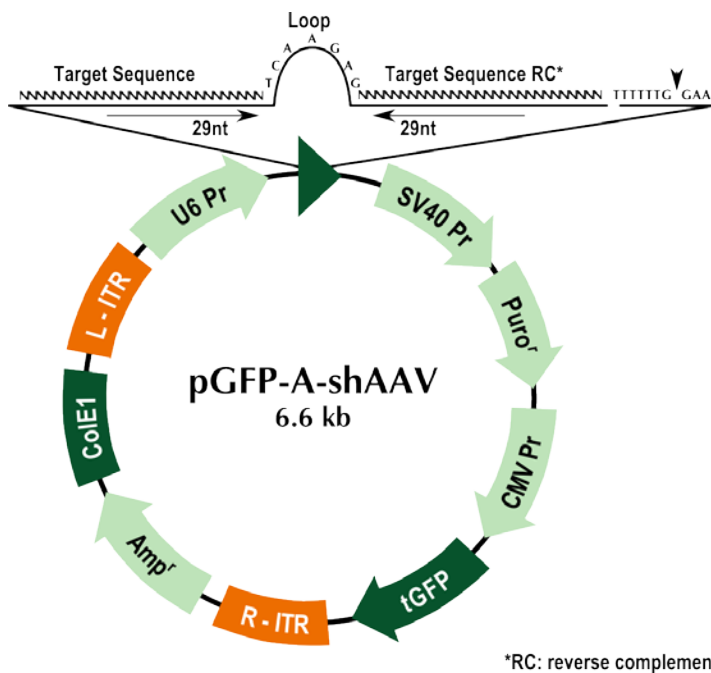
Quality Control Assays

DNA Quantitation: The concentration of the purified plasmid was determined at OD_{260} by a UV spectrometer.

DNA Sequence Analysis: The final purified plasmid was sequenced to confirm its identity.

Functional Analysis:

1. Cloning: the pGFP-A-shAAV plasmid was successfully used to clone shRNA cassettes.
2. Transfection: cloned shRNA cassettes were successfully transfected to HEK293T cells, and expected knockdown effect was achieved.
3. AAV virus packaging and transduction: shRNA constructs cloned into pGFP-A-shAAV were verified for inhibition of target genes through packaging and transduction.



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