

HuSH 29-mer shRNA Non-Effective Expression Plasmid against GFP (Negative Control)

Catalog # TR30003

Product Description: Transfection grade purified mammalian expression plasmid carrying a 29-mer hairpin sequence against GFP but the expressed sequence does not suppress EGFP expression. This product is a negative control for OriGene's gene-specific HuSH shRNA products.

Target Gene Information: Enhanced green fluorescent protein (EGFP), GenBank Accession Number U55761. Construct 5 (below) is offered as TR30003 and the sequence (available upon request) does not align with any published NCBI human sequence.

Species of Target Gene: Aequorea Victoria

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 to have no effect on EGFP expression in cotransfection assays following the protocols provided.

Vector: pRS (vector SKU# TR20003); E. coli selection marker: ampicillin; mammalian selection marker: puromycin

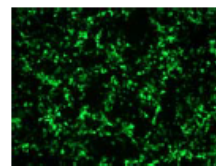
Quality Control Assays:

Gel Electrophoresis: The plasmid was run on an agarose gel along with a fixed amount of a control plasmid to ensure the right size and DNA amount.

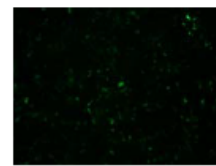
DNA Sequence Analysis: The plasmid was sequenced and the insert sequence was examined and confirmed.

Functional Analysis: Fluorescent microscopic examination of HEK293 cells 48 hours after co-transfection of non-effective pRS-shGFP with a GFP plasmid. TR30003 displayed no inhibition in GFP expression (n=3).

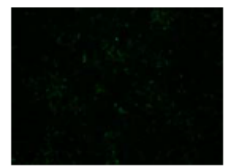
Non-effective pRS-shGFP plasmid used as specific negative control for gene down-regulation



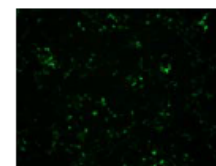
pGFP/ pRS



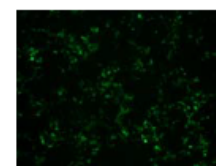
pGFP / Construct 1



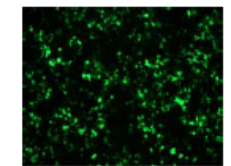
pGFP / Construct 2
TR30001



pGFP / Construct 3



pGFP / Construct 4



pGFP / Construct 5
TR30003

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