Supplementary material 1

U6ZF promoter
gRNA scaffold
EFS human promoter
Cas9 coding sequence
mCherry coding sequence

>LentiCRISPR-Cas9-2A-mCherryU6ZF (15,125 bp)

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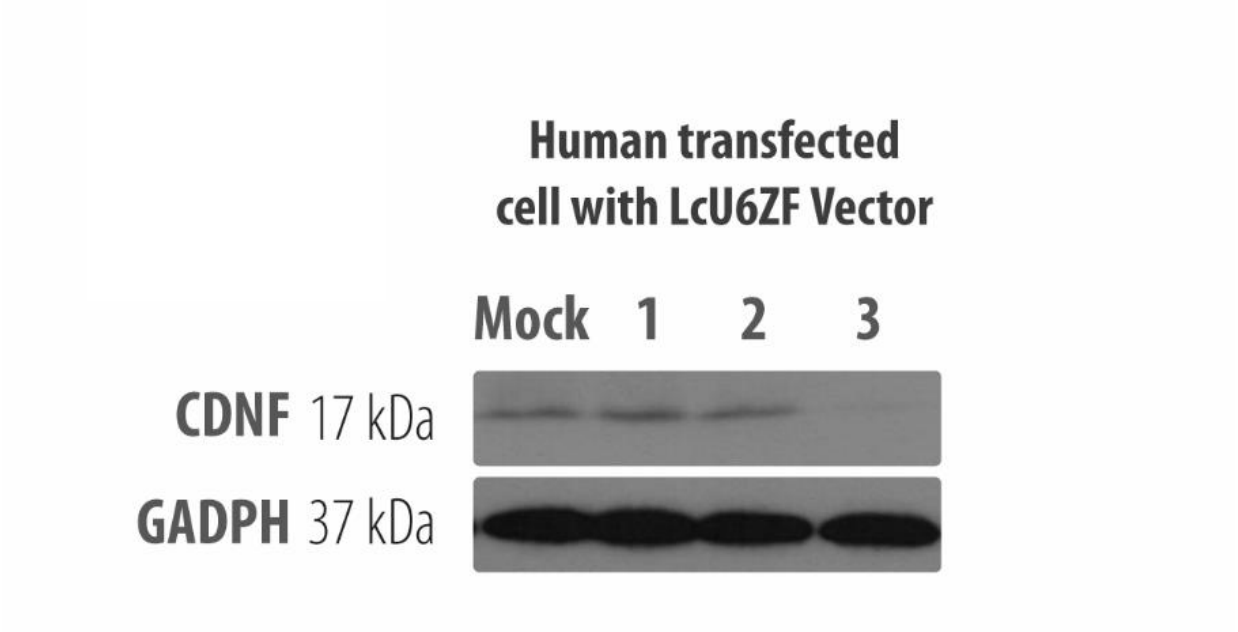
Supplementary material 2



HEK293-T cells were transfected with LcU6ZFsgRNACDNF and LcU6ZF (mock) and three different plasmids containing sgRNAs against CDNF, a neurotrophic factor. At Forty-eight hours western blot was performed to detect protein levels of CDNF. GAPDH was used as loading control.