## CLAIMS

What is claimed is:

1. A kit for increasing expression of a transgene encoding a polypeptide product in T cells, the kit comprising at least a first and second co-stimulatory agents, wherein the co-stimulatory agents are provided on one or more beads and further wherein the first co-stimulatory agent comprises a CD3 ligand; and an adenoviral vector comprising (i) a sequence encoding said transgene operably linked to a promoter and (ii) a sequence encoding at least one zinc finger nuclease.

2. The kit according to claim 1, wherein the T cell is a CD4+ cell.

3. The kit according to claim 1, wherein the T cell is a CD8+ cell.

4. The kit according to any one of the preceding claims, wherein the second co-stimulatory agent comprises an anti-CD3 antibody and/or the CD3 ligand of the first co-stimulatory agent is an anti-CD3 antibody.

5. The kit according to claim 1, wherein the second co-stimulatory agent comprises an anti-CD28 antibody.

6. The kit according to claim 1, wherein the second co-stimulatory agent comprises IL-15.

~~7. The kit according to claim 1, wherein the second co-stimulatory agent comprises a feeder cell.~~

~~8.~~7.The kit according to any of claims 1 to ~~7~~6, wherein the adenoviral vector is pseudotyped.

~~9.~~8. The kit according to claim ~~8~~7, wherein the pseudotyped adenovirus expression vector comprises (i) sequences from Ad5 and Ad35 adenoviruses.

~~10.~~9. The kit according to claim ~~9~~8, wherein the Ad35 sequence is F35.

~~11.~~10. A pharmaceutical composition comprising at least first and second co-stimulatory agents, wherein the co-stimulatory agents are provided on one or more beads and further wherein the first co-stimulatory agent comprises a CD3 ligand and the second co-stimulatory agent is a CD28 ligand or IL-15; and an adenovirus vector comprising (i) a sequence encoding a transgene operably linked to a promoter and (ii) a sequence encoding at least one zinc finger nuclease.

11. The pharmaceutical compositon of claim 10, wherein the CD28 ligand is an anti-CD28 antibody.