

## **Bored of using lentiviral random dwarf inserts? TALEN can integrate up to 100 000 basepairs. (Yes 100 Kb!!!)**

Transposagen's **XTN™** site-specific nucleases, also referred to as **TALENs**, permit researchers to specifically cut **ANY** DNA sequence, allowing for the creation of gene knockouts, knock-ins and **single base pair edits**.

### **Highlights**

- Single transfection makes transgenic cell lines and animal models
- Effective in all mamalian genomes including human, rat and mouse
- No cargo limit integrate 1 kb to over 100 kb
- Reversible integrations
- All-in-one inducible vector
- Site-specific genome editing
- Instant and foot-print free genome editing

### **Applications**

- Knockout, knock-in and transgenic cell lines and animal models
- Stem cell research: reprogramming, differentiation and selection
- RNAi: inducible and reversible gene knockdown in cells and animal models
- Cell lines for robust protein production
- Gene and cell therapy, immunotherapy

**\*Validated:** XTNTM TALs are sequence verified and supplied in **pre-tested expression vectors** for optimal efficiency.

**\*Precise and Reliable:** XTNTM TALs will bind and cut your target site or we will make you a new one **for free**.

**\*Affordable and Flexible:** Custom XTNTM TALs are **affordable** with absolutely **no restrictions on use**.

**\*Speed:** **Fastest turnaround time** in the industry.

Visit our webpage for more detailed information on the TALENs -

[http://www.gentaurpromo.com/TALEN\\_Products/](http://www.gentaurpromo.com/TALEN_Products/)

### **We also offer:**

**\*Genetically Modified Rats**

**\*Transgenic Services**

**\*Cell Line & Stem Cell Services**

**\*Disease Models**

**\*Gene Expression Services**

Ask us anything on: [info@gentaur.com](mailto:info@gentaur.com)