



**Features:**

**roe = recombination cloning, over-expression**

1. vermilion as selectable marker
2. attB/P site specific integration
3. Amp resistant
4. For over-expression
  - 10X UAS
  - HSP70 promoter
  - Two insulators
  - one ftz intron
5. To simplify cloning
  - Recombination method
  - Two steps, first step clone PCR fragment into Entry vector (PENTR/D TOPO or mENTRY); second step is recombination with this vector. Detailed procedure for small scale cloning can be found on the TRiP website: <http://flyrnai.org/TRiP-HOME.html>.

**PLEASE NOTE:** To amplify this vector you will need to use DB3.1 Competent Cells (Invitrogen).

664-2543, vermilion; 2568- 2935, attB; 2946-3377, gypsy; 3394-3428, loxp; 3433-3545, 5XUAS  
 3551-3584, loxp; 3591-3700, 5XUAS; 3703-3966, Hsp70; 3974-5715, attR; 5749-5929, ftz intron  
 5931-6634, SV40 polyA tail; 6636-7073, gypsy

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