



Description:

pAS4.1w.Pbsd-aOn is a all-in-one tetracycline inducible plasmid (TRE tight version that contains 7 copies of modified tetO sequence, a tetracycline repressor binding sequence). ORF of *aOn* TRE transactivator (function as a transcriptional factor) was introduced into the downstream of *bsd* gene by fusing it with F2A sequence to link *bsd* ORF. The *aOn* ORF has the same reading frame as *bsd*; as a result, this fusion protein will be post-translationally cleaved by F2A protease into aOn and bsd functional proteins.

Location of Features:

- Tet-inducible promoter (TRE-Tight): nt14-440.
- Multiple cloning sites: as indicated by restriction sites with dark red color.
- hPGK: nt769-1270.
- Bsd-F2A-aOn: nt1282-2547.

Note:

1. Stbl3 (Invitrogen) bacterium is recommended to be used for transformation.
2. Please clone your gene/ORF of interest into *NheI* site where AGC can serve as a Kozak sequence for efficient translation (GCTAGC followed by ACCATG can be also considered).