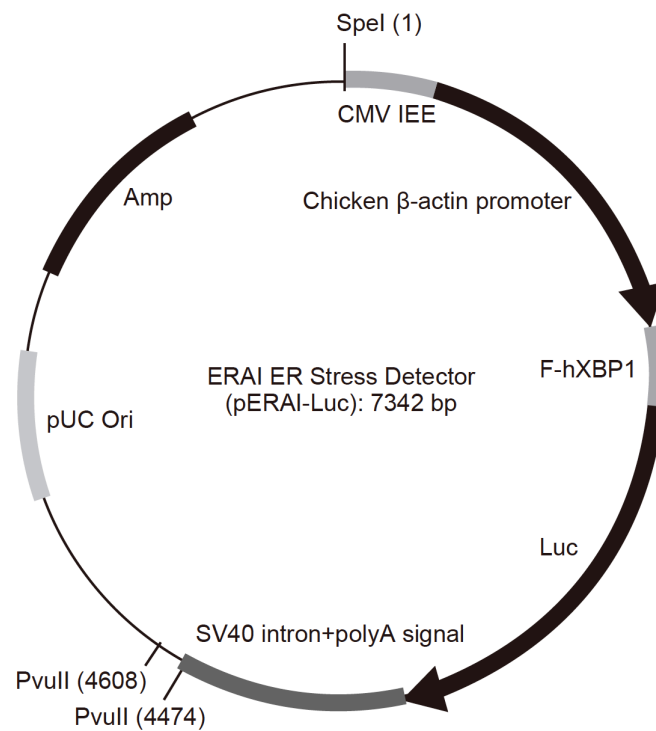


## ERAI ER Stress Detector

(pERAI-Luc, Pro. No. StDtc-1)

Plasmid Information



CMV IEE + chicken  $\beta$ -actin promoter: 1-1715 bp.

h(human)XBP1: 1763-1986 bp.

hXBP1 intron: 1883-1908 bp.

Luc (luciferase): 1993-3642 bp.

SV40 intron and polyA signal: 3674-4107 bp.

SEQUENCE:

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g//

The start codon of ATG is indicated by double underline.

Blue color sequences are for DYKDDDDK tag.

Red color sequences are from human XBP1 gene.

Underlined sequences are the intron of XBP1.

**Bold sequences** are from luciferase gene of pGL3 (promega).

Orange color sequences are SV40 intron and polyA signal.