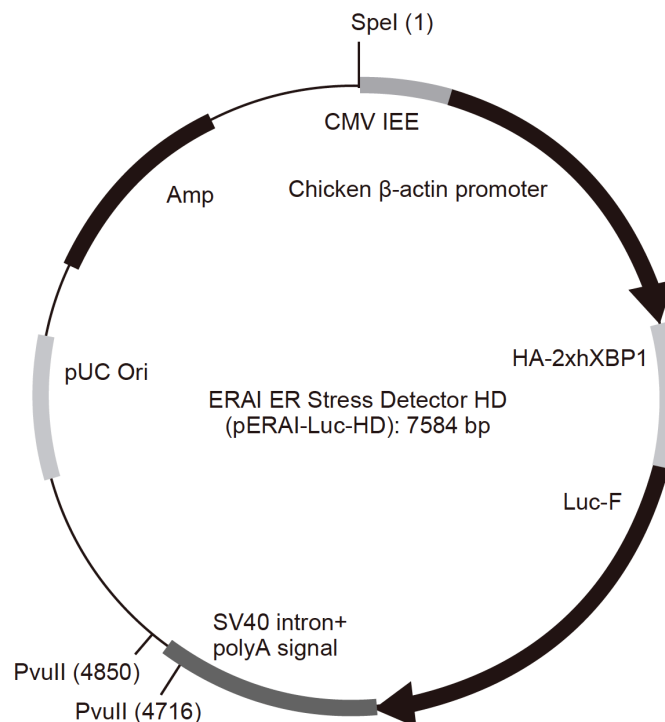


ERAI ER Stress Detector HD

(pERAI-Luc-HD, Pro. No. StDtc-2)

Plasmid Information



CMV IEE + chicken β -actin promoter: 1-1715 bp.

2xh(human)XBP1: 1751-2210 bp.

hXBP1 intron: 1871-1896 bp and 2101-2126 bp.

Luc (luciferase): 2211-3857 bp.

SV40 intron and polyA signal: 3915-4170 bp.

SEQUENCE:

actagtattaatagtaatacaattacggggtcattagttcatagcccatatatggagttccgcgttacataacttacggtaaatg
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The start codon of ATG is indicated by double underline.

Green color sequences are for YPYDVPDYA tag.

Red color sequences are from human XBP1 gene (NOTE; ATGs are changed into AAGs).

Underlined sequences are the intron of XBP1.

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

Blue color sequences are for DYKDDDDK tag.

Orange color sequences are SV40 intron and polyA signal.