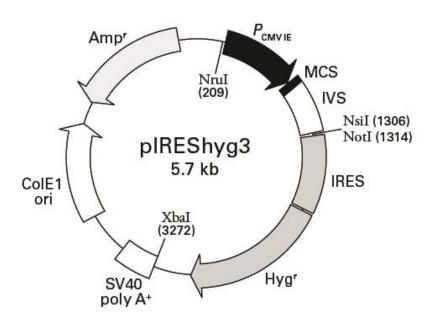


pIREShyg3 Vector

Catalog No(s).

631620



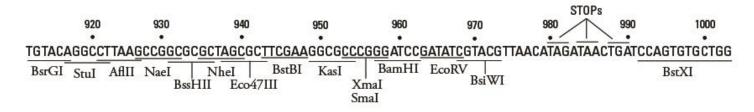


Figure 1. pIREShyg3 Vector Map and Multiple Cloning Site (MCS). All sites shown are unique

Clontech Laboratories, Inc.

A Takara Bio Company

1290 Terra Bella Avenue, Mountain View, CA 94043, USA

U.S. Technical Support: tech@clontech.com

United States/Canada 800.662.2566 (062716)

Location of Features

Human cytomegalovirus (CMV) major immediate early promoter

Enhancer region: 309-715; TATA Box: 804-810

T7 RNA polymerase promoter: 863–879

Multiple cloning site (MCS): 912–1003

• Synthetic intron (IVS): 1002–1297

Internal ribosome entry site (IRES) from encephalomyocarditis virus (ECMV): 1333–1924

• Hygromycin B phosphotransferase gene: 1947–2978

• SV40 early mRNA polyadenylation signal

Polyadenylation signals: 3421–3426 & 3450–3455; mRNA 3' ends: 3459 & 3471

• ori (high-copy-number ColE1/pMB1/pBR322/pUC origin of replication): 4012–4611

• Ampicillin resistance (β-lactamase) gene:

Promoter: -35 region: 5703-5698; -10 region: 5680-5675

β-lactamase coding sequence:

Start codon: 5633-5631; stop codon: 4775-4773

NOTE: The attached sequence file has been compiled from information in the sequence databases, published literature, and other sources, together with partial sequences obtained by Clontech Laboratories, Inc. This vector has not been completely sequenced.

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This document has been reviewed and approved by the Clontech Quality Assurance Department.

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