

Product Information

Ad291-RL

Research use only

Catalog No: AD-101-S

Lot No: 0509

Contents:

Ad291-RL, 2.8×10^{12} VP/mL, 100 μ L

Buffer:

2.5% glycerol (w/v), 25 mM NaCl, 20 mM Tris, pH 8.0 (GTS buffer)

Storage: -70°C

Features and Applications:

Ad291-RL is an Ad5-based adenovirus containing a 1.8 kb-long *Renilla* luciferase expression cassette in place of the E1 region, oriented from left to right relative to the adenovirus genome.

The *Renilla* luciferase coding sequence is under the control of a SV40 enhancer/early promoter and a SV40 late polyadenylation signal. Both E1 (3.1 kb) and E3 (2.8 kb) regions are deleted. The two *Sfi*I sites naturally present in WT Ad5 DNA were mutated by substituting A for G and C at positions 16291 and 16294 in the Ad5 genome, and C and G for respectively G and C at positions 23001 and 23004 in the Ad5 genome, introducing silent mutations in the adenovirus pVII and DNA-binding protein coding sequences.

Virus Amplification:

HEK 293 cells cultured in DMEM supplemented with 10% FCS

Purification Method:

Double CsCl banding.

Ratio OD₂₆₀/OD₂₈₀ (SDS): 1.34

Ratio OD₂₆₀/OD₂₈₀ (no SDS): 1.28

Ratio OD₃₂₀/OD₂₆₀ (SDS): 0.22

O.D.260 Inc.
PO Box 534, Boise, ID 83701
Ph. (208)345-7369
FAX (208)345-7569
E-mail info@od260.com
www.od260.com