

O.D.260 Inc.

Product Information

Ad5.CMV β Gal

Research use only

Catalog No: AD-103-S

Lot No: 0201

Contents:

Ad5.CMV β Gal, 2.4 10^{12} VP/mL, 100 μ L

Buffer:

10 mM Tris, 2 mM MgCl₂, 4% sucrose,
pH 8.0

Storage: -70°C

Features and Applications:

Ad5.CMV β Gal is an Ad5-based
adenovirus containing a 4.3 kb-long

LacZ expression cassette in place of the E1 region, oriented from right to left relative to the adenovirus genome. The *E. coli* β -galactosidase coding sequence is fused to a SV40 nuclear localization signal and is under the control of a human cytomegalovirus (CMV) promoter and a mouse protamine 1 polyadenylation signal. Both E1 (3.1 kb) and E3 (2.7 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: 1.33

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