

**Product Information**

**Ad292-RL-FL**

Research use only

**Catalog No:** AD-102-S

**Lot No:** TBD

**Contents:**

Ad292-RL-FL, TBD  $10^{12}$  VP/mL, 100  $\mu$ L

**Buffer:**

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

**Storage:** -70°C

**Features and Applications:**

Ad292-RL-FL is an Ad5-based adenovirus containing a 1.8 kb-long *Renilla* luciferase expression cassette in place of the E1 region, and a 2.2 kb-long firefly luciferase expression

cassette in the E3 region. The luciferase coding sequences are both under the control of a SV40 enhancer/early promoter and a SV40 late polyadenylation signal and are oriented from left to right relative to the adenovirus genome. 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 OD<sub>260</sub>/OD<sub>280</sub>** (SDS): TBD

**Ratio OD<sub>260</sub>/OD<sub>280</sub>** (no SDS): TBD

**Ratio OD<sub>320</sub>/OD<sub>260</sub>** (SDS): TBD

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