

CT26-Luc | 305646

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Description CT26-Luc is a luciferase reporter gene construct. It consists of a minimal promoter driving the expression of the luciferase gene (Luc) fused to the CT26 antigen. This construct is used for studying the expression and localization of the CT26 antigen in various cell lines and tissues. The luciferase activity is measured as a reporter for the expression of the CT26 antigen.

Organism Human

Tissue Colon

Disease Colorectal cancer

Synonyms CT26-Luciferase, CT26-Luc

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Breed/Subspecies Human

Age Adult

Gender Male

Morphology Cell line

Growth properties Adherent

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Citation CT26-Luc (Cytion: 305646)

Biosafety level 1

NCBI_TaxID 10090

CellosaurusAccession CVCL_E3H3

Product sheet

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GMO Status GMO-S1: CT26

Mutational profile p.Gly12Asp

Culture Medium RPMI 1640 2.0 2.0 NaHCO₃ (820700a)

Supplements 10% FBS

Dissociation Reagent

Doubling time 24-48

Subculturing PBS

Split ratio 1:3

Seeding density 1-3 × 10⁴ /

Fluid renewal 2-3

Freeze medium + 10% DMSO

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**Thawing and
Culturing Cells**

1. Thaw the vial quickly in a 37°C water bath. Do not vortex. Transfer the cells to a pre-warmed tube.
2. Add 1 mL of complete medium to the tube. Centrifuge at 300 x g for 5 minutes. Resuspend the cells in 1 mL of complete medium.
3. Seed the cells into a 24-well plate (37°C, 5% CO₂). Incubate for 24 hours.
4. After 24 hours, the cells should be 70% confluent. Add fresh complete medium.
5. After 48 hours, the cells should be 80% confluent. Add fresh complete medium.
6. Harvest the cells into a 200 x 15 mm plate. Add 5 mL of lysis buffer. Incubate for 15 minutes.
7. Store the lysate at -150°C.

Incubation Atmosphere 37°C, 5% CO₂

Shipping Conditions Store at -150°C to -196°C

Storage Conditions Store at -150°C to -196°C

CT26-Luc / HLA