

Product sheet

MDA-MB-231-Luc | 305693

XXXXXXXXXX XXXXX

**Description** MDA-MB-231-Luciferase (MDA-MB-231-Luc) is a cell line derived from a human breast cancer cell line (MDA-MB-231) that is highly metastatic and is characterized by the presence of ER, PR, and HER2. MDA-MB-231-Luc is a derivative of MDA-MB-231 that has been engineered to express a luciferase reporter gene (Luc) under the control of the MDA-MB-231 promoter. MDA-MB-231-Luc is a highly metastatic cell line that is characterized by the presence of ER, PR, and HER2. MDA-MB-231-Luc is a derivative of MDA-MB-231 that has been engineered to express a luciferase reporter gene (Luc) under the control of the MDA-MB-231 promoter.

**Organism** XXXXXXXX

**Tissue** XXXXXXXX

**Disease** XXXXX XXXXX XXXXXXX

**Metastatic site** XXXXXXXXX XXXXXXX

XXXXXXXXXX

**Age** 51 XXX

**Gender** XXXXX

**Ethnicity** XXXXXXX

**Morphology** XXXXXXX

**Growth properties** XXXXXXX

XXXXXXXXXXXX XXXXXXXXXXXXXXX

**Citation** MDA-MB-231-Luc (XXXX XXXXXXX Cytion 305693)

**Biosafety level** 1

**NCBI\_TaxID** 9606

**CellosaurusAccession** CVCL\_JZ05

**GMO Status** GMO-S1: XXXXXXX XXX XXXXXXX XXX MDA-MB-231 XXX XXXXXXX a-Luc reporter XXXXXXX XXXXXXX XXXXXXX XXX

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XXXXXXXXXX XXXXXXXXXXXX XXXXXXXXXXXX

**Protein expression** XXX

**Mutational profile** XXXXX p.Gly464Val XXXXXXX XXXXXXXXXXX XXXXXXX p.Gly13Asp XXXXXXX XXXXXXXXXXX XXXXXXX p.Arg280Lys XXXXXXX XXXXXXX

XXXXXXXXXX

**Culture Medium** DMEM: DMEM:Ham's F12 (1:1) X 3.1 X/XXX XXXXXXXXXXX X 1.6 XXX XXXXXXX XXXXXXXXXXX X 15 XXX XXXXXXX XXXXXXX (15 XXX XXXXXXX XXXXXXX)

**Supplements** XX XXXXXXX XXXXXXX X 10X XX XX FBS

**Dissociation Reagent** XXXXXXX 5 XXXXXXX XXX 37 XXXX XXXXXXX

**Freeze medium** XXXXX XXXXXXX XXXXXXXXXXX XXXXXXX XXX XXX XXXX + 10% DMSO XXXXXXX XXX XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX

**Thawing and Culturing Cells**

1. XXXXX XX XXXX XXXXXXXXXXX XXXXXXX XXXX XXX XXXXXXXXXXX XXX XXX XXX XXXXXXXXXXX XXX XXX XXX XXXXXXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX
2. XXX XXXXXXXXXXX XXX XXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXX XXXXXXX XX XXXXX XXXXXXX XXX XXX -150 XXXXX XXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX
3. XXXXXXXXXXX XXXXXXXXXXX XX XXXXXXX XXXXXXXXXXX XXXXXXX XX XXXXX XXXXXXX XX XXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXXXXX
4. XXXXXXX XXXX XXXXXXXXXXX XXXXXXXXXXX XX XXXXX XXXXXXX XX XXXXX XXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX 70% XX XXXXXXXXXXX XXX XXXXXXX
5. XXXXX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX XXXXXXX XXXXX XXXXXXX XXX XXXXXXXXXXX XXX XXXXXXX XXXX 15 XX XXXXXXX XXXX 8 XX XX XXXXXXXXXXX XXXXXXX
6. XX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX XXX 200 x XX XXXXX 5 XXXXXXXXXXX XXXXXXX XXXXXXXXXXX XX XXXXXXXXXXX XXXXXXXXXXX XXXXXXX XXXXXXX XXX XXX XXXXXXXXXXX XXXXXXX
7. XXXXX XXXXXXXXXXX XXXXXXXXXXX XXX XXXXXXXXXXX XX XXXX XXXXXXXXXXX

**Incubation Atmosphere** 37 XXXXX XXXXXXXXXXX XXX XX XXXXX XXXXX

**Flask Coating** XX XXX

