

**B16 | 305154**

**General information**

|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | B16 is a murine melanoma cell line derived from a C57BL/6 mouse. It is a highly tumorigenic cell line that can be used for various applications in cancer research. B16 cells are characterized by their ability to form melanin pigment and their high metastatic potential. They are commonly used in studies of melanoma biology, metastasis, and the effects of various treatments on tumor growth.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Organism    | Murine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Tissue      | Skin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Disease     | Melanoma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Synonyms    | B-16, B16-F1, B16-F3, B16-F4, B16-F5, B16-F6, B16-F7, B16-F8, B16-F9, B16-F10, B16-F11, B16-F12, B16-F13, B16-F14, B16-F15, B16-F16, B16-F17, B16-F18, B16-F19, B16-F20, B16-F21, B16-F22, B16-F23, B16-F24, B16-F25, B16-F26, B16-F27, B16-F28, B16-F29, B16-F30, B16-F31, B16-F32, B16-F33, B16-F34, B16-F35, B16-F36, B16-F37, B16-F38, B16-F39, B16-F40, B16-F41, B16-F42, B16-F43, B16-F44, B16-F45, B16-F46, B16-F47, B16-F48, B16-F49, B16-F50, B16-F51, B16-F52, B16-F53, B16-F54, B16-F55, B16-F56, B16-F57, B16-F58, B16-F59, B16-F60, B16-F61, B16-F62, B16-F63, B16-F64, B16-F65, B16-F66, B16-F67, B16-F68, B16-F69, B16-F70, B16-F71, B16-F72, B16-F73, B16-F74, B16-F75, B16-F76, B16-F77, B16-F78, B16-F79, B16-F80, B16-F81, B16-F82, B16-F83, B16-F84, B16-F85, B16-F86, B16-F87, B16-F88, B16-F89, B16-F90, B16-F91, B16-F92, B16-F93, B16-F94, B16-F95, B16-F96, B16-F97, B16-F98, B16-F99, B16-F100 |

**Characteristics**

|                   |                                             |
|-------------------|---------------------------------------------|
| Breed/Subspecies  | C57BL/6                                     |
| Gender            | Male                                        |
| Morphology        | Highly tumorigenic, melanin-producing cells |
| Growth properties | Highly tumorigenic, melanin-producing cells |

**Identification and documentation**

|                      |                     |
|----------------------|---------------------|
| Citation             | B16 (Cytion 305154) |
| Biosafety level      | 1                   |
| NCBI_TaxID           | 10090               |
| CellosaurusAccession | CVCL_F936           |

**Genetic information**

|             |     |
|-------------|-----|
| Tumorigenic | Yes |
|-------------|-----|

## Culture Medium

EMEM (MEM Eagle), w: 2 mM L-Glutamine, w: 2.2 g/L NaHCO<sub>3</sub>, w: EBSS (XXXXX XXXXXXXX Cytion 820100a)

□□□□ □□□□□□ 10% FBS □-1% NEAA

XXXXXXXXXX

[illegible]

2 3

[illegible][illegible]

37°C, 5% CO<sub>2</sub>,

**XXXX B16 | 305154**

**Flask Coating**      XX XXX

**Freezing Procedure**      XXXXX XXXX XXXXXXXX XXXXXXX XXXX XXX XXXXXXX XXXXXXX XXXXXXXX XX XXXX XXXXXXX XX XXXX XXXXXXX XXX XXXXXXX XXX XXXXXXXX XXX -78°C

**Shipping Conditions**      XXXXX XXXX XXXXXXXX XXXXXXX XXXX XXX XXXXXXX XXXXXXX XXXXXXXX XX XXXX XXXXXXX XX XXXX XXXXXXX XXX XXXXXXX XXX XXXXXXXX XXX -78°C

**Storage Conditions**      XXXXXXX XXXXX XXXX, XX XXXXX XX XXXXXXXXXX XXXXX XXXXXXX XXXX XX XXX XXXXXXXXXX XX -150 XX 196 XXXXX XXXXXXX. XXXXX XXXXX

XXXXXX XXXXXXXX XXXXXXXX XXXXXXXXXX

**Sterility**      XXXXX XXXXXXXXXX XXXX XXXXXXX XXXXXXX XXXXXXXX PCR XXXXXXX XXXXX XXXXXXXXXX XXXXXXX XXXXXXXXXX.

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