SK-MEL-1

300424

GENERAL INFORMATION

Description

□细胞系由 F. Oettgen 及其同事于 1966 年利用一名患者的胸导管细胞建立。细胞中存在与合成和吞噬有关的色素颗粒。根据我们的测序、 WB 和 PCR 结果，□细胞系携带 BRAF V600E 突变。细胞为 N-Ras 野生型。

Tissue	皮肤
Disease	黑色素瘤
Metastatic site	胸腔淋巴管

Synonyms

- SK-Mel-1
- SK Mel 1
- SK-Mel 1
- SK-Mel1
- SKMEL-1
- SkMEL-1
- SKMEL1
- SK 1

CLASSIFICATION

Organism	Human
Sex	Male
Growth properties	Suspension
Biosafety level	1

CHARACTERISTICS

Morphology	球形
Tumourigenic	是，在裸鼠身上。形成色素性恶性黑色素瘤。可的松治疗仓鼠的颊囊也会形成肿瘤

IDENTIFIERS

Citation

SK-MEL-1（Cytion 目录号 300424）

NCBI TaxID	9606
Cellosaurus	CVCL_0068

EXPRESSION AND SUSCEPTIBILITY

Antigen expression

血型 A，Rh+。在 63% 的恶性黑色素瘤患者和 10% 的其他疾病患者中检测到了□血型的抗体。

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Banking information
Sparkasse Heidelberg
IBAN: DE35 6725 0020 0009 2076 86
BIC: SOLADES1HDB

Isoenzymes

PGM3□1□PGM1□1□ES-D□1□AK-1□1□GLO-1□1-2□G6PD□B□

Mutational profile

□□ DNA □□□□□□RT-PCR□□□□□□□□Western □□□□□ V600E □ BRAF □□□□

Products

□□□

HANDLING AND CULTURE

Culture medium

RPMI 1640□w□2.1 mM □□□□□□□w□2.0 g/L NaHCO3□Cytion □□□□ 820700a□□

Incubation atmosphere	37°C, 5%CO2, □□□□□

Supplements

□□□□□□□ 15% □□□ FBS

Dissociation reagent	Accutase

Subculturing

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Seeding density	1□2×10⁵□□□/□□
Fluid renewal	□□ 2 □ 3 □

Thawing and culturing

Confirm that the vial remains deeply frozen upon delivery, as cells are shipped on dry ice to maintain optimal temperatures during transit.
Upon receipt, either store the cryovial immediately at temperatures below -150°C to ensure the preservation of cellular integrity, or proceed to step 3 if immediate culturing is required.
For immediate culturing, swiftly thaw the vial by immersing it in a 37°C water bath with clean water and an antimicrobial agent, agitating gently for 40-60 seconds until a small ice clump remains.
Perform all subsequent steps under sterile conditions in a flow hood, disinfecting the cryovial with 70% ethanol before opening.
Carefully open the disinfected vial and transfer the cell suspension into a 15 ml centrifuge tube containing 8 ml of room-temperature culture medium, mixing gently.
Centrifuge the mixture at 300 x g for 3 minutes to separate the cells and carefully discard the supernatant containing residual freezing medium.
Gently resuspend the cell pellet in 10 ml of fresh culture medium. For adherent cells, divide the suspension between two T25 culture flasks; for suspension cultures, transfer all the medium into one T25 flask to promote effective cell interaction and growth.
Adhere to established subculture protocols for continued growth and maintenance of the cell line, ensuring reliable experimental outcomes.

QUALITY CONTROL AND CRYOPRESERVATION

Sterility

□□□□ PCR □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□
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Freeze medium	□□□□□□□□□□□□□□□ FBS□+10% DMSO □ CM-1□Cytion □□□□□□ 800100□□□□□□□□□ □□□□□□□□□□□□□□□□□CM-1□Cytion □□□□□□ 800100□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□

Storage conditions

□□□□□□□□□□□□□□□□□□□□□□□□□ -150 □ -196 ℃□□-80 °C□□□□□□□□□□□□□□□□□□□

Shipping conditions

□□ -78 °C □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

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DONOR

Donor age	29 年
Ethnicity	高加索人

LEGAL AND SAFETY

Safety precautions

计划将低温样品储存在液氮中以便将来解冻时，必须遵守严格的安全措施。在将冷冻样本移入或移出液氮罐时，必须穿戴适当的防护手套和防护服，并使用面罩或安全护目镜。这样做是为了降低在移出时因冷冻样品爆炸而造成伤害的风险，因为爆炸可能导致锋利的碎片飞溅。

Warranty

在Cytion，我们保证产品的质量和活力。
我们保证，从我们的工厂发货后 60 天内，我们的细胞在开始培养时都是存活的。
我们保证所有材料均符合分析证书和/或产品说明书中描述的规格。
有关详细信息，请参阅我们的 <a href="" /Who-we-are/Warranty/"" hreflang=""x-default"">保修声明。

Material Transfer Agreement required	Yes