NR8383

305200

GENERAL INFORMATION

Description

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Tissue	□□

Synonyms

- NR-8383
- NR 8383
- NR8383.1
- NR8383 clone AgCl1x3A
- AgC11x3A
- Normal Rat
- August 3
- 1983

CLASSIFICATION

Organism	Rat
Sex	Male
Growth properties	Adherent and suspension
Biosafety level	1

CHARACTERISTICS

Morphology	□□□□

IDENTIFIERS

Citation

NR8383□Cytion □□□ 305200□

NCBI TaxID	10116
Cellosaurus	CVCL_4396

EXPRESSION AND SUSCEPTIBILITY

Receptors expressed

Fc

Protein expression

□□□□□□ Beta□Tgf Beta□□□□□□□ 1□Il-1□□□□□□□ 6□Il-6□

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

HANDLING AND CULTURE

Culture medium

RPMI 1640，w：2.0 mM 稳定谷氨酰胺，w：2.0 g/L NaHCO3（Cytion 文章编号 820700a）。

Incubation atmosphere	37°C, 5%CO2, 加湿环境。

Supplements

在培养基中添加 15% 热灭活 FBS

Dissociation reagent	Accutase，只收集附着细胞，浮游细胞必须单独收集。

Subculturing

将悬浮细胞收集到 15 毫升试管中，用不含钙和镁的 PBS（T25 烧瓶用 3-5 毫升，T75 烧瓶用 5-10 毫升）轻轻清洗粘附的细胞。涂抹 Accutase（T25 烧瓶 1-2 毫升，T75 烧瓶 2.5 毫升），确保完全覆盖细胞层。让细胞在室温下孵育 10 分钟。孵育后，将悬浮细胞和粘附细胞混合并离心。离心后，小心重悬细胞团，并将细胞悬浮液转移到装有新鲜培养基的新烧瓶中。

Fluid renewal	每周 2 至 3 次

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

使用基于 PCR 的检测方法和基于发光的支原体检测方法排除支原体污染。
为确保没有细菌、真菌或酵母菌污染，每天都要对细胞培养物进行目视检查。

Freeze medium	我们使用完全生长培养基（包括 FBS）+10% DMSO 或 CM-1（Cytion 商品目录编号 800100）作为冷冻保存培养基，以获得足够的解冻后存活率，CM-1（Cytion 商品目录编号 800100）含有优化的渗透保护剂和代谢稳定剂，可提高恢复能力并减少冷冻引起的应激。

Storage conditions

如需长期保存，可将样品瓶放入气相液氮中，温度约为 -150 至 -196 °C。在-80 °C下保存只能作为转入液氮前的短暂过渡。

Shipping conditions

冷冻保存的细胞系用干冰装运，并用经过验证的隔热包装和足够的制冷剂在整个运输过程中保持约 -78 °C 的温度。收到货后，应立即检查容器，并立即将小瓶转移到适当的储藏室。

DONOR

Breed / subspecies	斯普拉格-道利
Donor age	成人

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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。 □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