

XXXXXX HK-CRISPR-Nup188-mEGFP | 300657

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Description	HK-CRISPR-Nup188-mEGFP 细胞 基因组 编辑 技术 利用 靶向 编辑 技术 靶向 编辑 细胞 基因组 中的 Nup188 基因， 使用 CRISPR/Cas9 系统 编辑 mEGFP (增强型绿色荧光蛋白) 基因， 实现 Nup188 基因 敲除 和 mEGFP 基因 敲入， 从而 研究 Nup188 在 细胞 核孔 复合体 中的 功能。
Organism	人
Tissue	细胞
Disease	无
Metastatic site	无
Applications	研究 Nup188 在 细胞 核孔 复合体 中的 功能， 以及 其在 细胞 核 运输 和 信号 转导 中的 作用。

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[illegible]

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Citation	HK-CRISPR-Nup188-mEGFP (XXXXXXXXXXXXXXXXXXXX300657)
Biosafety level	1
NCBI_TaxID	9606

CellosaurusAccession [XXXX](#) [XXXXXX](#) (HK-CRISPR-Nup188-mEGFP [XX](#) [XXXXXX](#) [XXXXXX](#) [XX](#) HeLa Kyoto [XX](#) [XXXXXXXXXX](#) [XXXXXXXXXXXXXX](#) [XXXXXX](#) CRISPR [XXXXXXXXXX](#) [XXXXXX](#))

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Depositor XXXXX XXXXXXXX (EMBL)

GMO Status GMO-S1: XXXXX HeLa Kyoto XXX XXXXXXXX XXXXXXXX (CRISPR) mEGFP XXX XXXXX Nup188 XXX XXXXX XXXXXXXX XXXXXXXX

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Protein expression Nup188, mEGFP-tag

XXXXXXXXXX

Culture Medium DMEM 4.5 g/l XXXXXXXX 4 XXXXXXXX XXXXXXXX 3.7 g/l XXX NaHCO3 1.0 XXXXXXXX XXXXXXXX XXXXXXXX (XXX XXXXXXXX 820

Supplements XXX XXXXXXX XXXXX 10% XXX XXX FBS

Dissociation Reagent XXXXXXX

Subculturing XXX XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXX XXXXXXXXXX PBS XXXX XXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX

Freeze medium XXXXXXX XXXXXXX XXXXXXXXXX XXXXXXX XXX XXX XXXX (XXX XXX XXX FBS) + 10% DMSO XXX XXXX XXXXXXX XXX XXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX

Thawing and Culturing Cells

1. XXXX XXX XXXXX XXXXXXXXXX XXXXXXX XXXX XXX XXXXXXXXXX XXX XXX XXX XXXXXXXXXX XXX XXX XXX XXXXXXXXXX XXX XXXXX XXXXXXXXXX XXXXXXX
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4. XXXXXXX XXXXX XXXXXXXXXX XXXXXXXXXX XXX XXXXX XXX XXXXX XXXXXXXXXX XXX XXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXX 70% XXX XXXXXXXXXX XXXXXXXXXX
5. XXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXX XXXXXXX XXX XXXXXXX XXX XXXXXXX XXX XXXXXXX XXX 15 XXX XXXXXXX XXX 8 XXX XXX XXXXXXXXXX XXXXXXXXXX
6. XXXXX XXXXXXXXXX XXXXXXXXXX XXX 300 × XXX XXXXX 3 XXXXXXX XXXXX XXXXXXXXXX XXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXXXXXX XXXXXXXXXX
7. XXXXXXX XXXXXXX XXXXXXX XXXXXXX XXXX 10 XXX XXX XXXXXXX XXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX
8. XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXX XXX XXXXXXXXXX XXXXXXXXXX XXX XXXXXXXXXX XXXXXXX XXX XXXXXXX XXXXXXX XXXXXXXXXX

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Incubation
Atmosphere

37 $\text{ }^{\circ}\text{C}$ $5\% \text{ CO}_2$ $95\% \text{ Humidity}$

Flask Coating

None

Freezing
Procedure

Cells are seeded into 6-well plates and grown to confluence. Cells are then trypsinized and resuspended in freezing medium. The suspension is then aliquoted into 1 mL vials and frozen at -80°C .

Shipping
Conditions

Cells are shipped on dry ice in a cooling box. The shipping box is pre-cooled and contains a dry ice pack. The cells are shipped at -78°C .

Storage
Conditions

Cells are stored at -150°C to -196°C in liquid nitrogen. The storage time is unlimited.

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Sterility

Cells are grown in the presence of antibiotics (Penicillin, Streptomycin, Neomycin, Zeocin) to maintain selection. Cells are tested for mycoplasma contamination using PCR. Cells are found to be free of mycoplasma contamination.