

HK EB3-EGFP | 300668

General information

Description	Hela Kyoto EB3-EGFP is a HeLa Kyoto cell line expressing End-Binding Protein 3 (EB3) fused to Enhanced Green Fluorescent Protein (EGFP). The EB3-EGFP fusion protein is used to visualize microtubule dynamics in living cells.
Organism	HeLa
Tissue	Epithelial cells
Disease	None
Synonyms	HeLa Kyoto EB3-EGFP, HeLa Kyoto EB3 EGFP, HeLa Kyoto EGFP-EB3

Cell culture

Age	30 days
Gender	Male
Ethnicity	Chinese
Morphology	Epithelial cells, adherent
Growth properties	Highly proliferative, anchorage dependent

Identification

Citation	HK EB3-EGFP (Cytion 300668)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1D61
Depositor	EMBL

GMO Status: GMO-S1: HeLa Kyoto EB3-EGFP is a genetically modified organism (GMO) derived from HeLa cells.

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HEK293T cells

Protein expression MEGFP (EGFP (3 mEGFP (EGFP): 1.589 / Pcmv, 652..1497 / EB3, 1516..2235 / EGFP, 3466..4235)

Products CMV Promotor EB3, Neomycin, Phosphotransferase

HEK293T cells

Culture Medium DMEM, w: 4.5 g/L Glucose, w: 4 mM L-Glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM Sodium Pyruvate (Cytion 820300a)

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing Cells are seeded into T25 flasks, 3-5 x 10^5 cells per flask. Cells are grown in DMEM supplemented with 10% FBS. Cells are passaged when they reach 80-90% confluency. Cells are dissociated using Trypsin and seeded into new flasks.

Seeding density 1 x 10^4 cells/cm^2

Fluid renewal 2-3 times per week

Post-Thaw Recovery Cells are thawed in a 37°C water bath and seeded into T25 flasks. Cells are grown in DMEM supplemented with 10% FBS. Cells are passaged when they reach 80-90% confluency. Cells are dissociated using Trypsin and seeded into new flasks.

Freeze medium DMEM supplemented with 10% FBS and 10% DMSO. Cells are seeded into T25 flasks and grown in DMEM supplemented with 10% FBS. Cells are passaged when they reach 80-90% confluency. Cells are dissociated using Trypsin and seeded into new flasks.

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Thawing and
Culturing Cells

1. 将冻存管放入37°C水浴中快速解冻，避免反复冻融。解冻后将细胞悬液转移到含有10 mL完全培养基的培养瓶中，轻轻混匀。
2. 将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。将培养瓶放入37°C、5% CO₂的培养箱中培养。
3. 每天观察细胞生长情况，当细胞密度达到80%左右时，进行传代。
4. 将细胞悬液离心，弃去上清液，加入1 mL完全培养基，轻轻混匀。
5. 将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。
6. 将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。
7. 将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。
8. 将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。

Incubation
Atmosphere

37°C, 5% CO₂, 饱和湿度

Flask Coating

无涂层

Freezing
Procedure

将细胞悬液离心，弃去上清液，加入1 mL完全培养基，轻轻混匀。将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。

Shipping
Conditions

将细胞悬液离心，弃去上清液，加入1 mL完全培养基，轻轻混匀。将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。

Storage
Conditions

将细胞悬液离心，弃去上清液，加入1 mL完全培养基，轻轻混匀。将细胞悬液接种到含有10 mL完全培养基的培养瓶中，轻轻混匀。

细胞冻存液

Sterility

本产品经严格灭菌处理，不含任何有害物质。本产品适用于PCR、Western blot、ELISA等实验。