Stable HEK293 Cells-Rpn11-HTBH

305719

GENERAL INFORMATION

Description

□□□□□ HEK293 □□□□□□□□□□□□□□□□□□□□□□□□□ - Rpn11-HTBH □□□ □□□□□□□□ HEK293 (Human Embryonic Kidney 293) □□ Rpn11 (□□□□□□□□□□□□□□□□ PSMD14 □□□□□ POH1) □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ 26S Rpn11 □□□ Zn^{2+} □□□ □□□□□□□□ JAMM □□□ □□ □□□□ HTBH (hexahistidine-TEV-biotin acceptor peptide-hexahistidine) □□ (affinity purification) □□□□□□□□□□□□□□□□□□□□□□□ Rpn11 □□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ (interactome studies) □□□ 26S □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□-□□□□□□□□□□ (UPS) □□□□□□□□□□□□ Rpn11/PSMD14 □□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ □□□□□□□ □□□ □□ □□□ □□ □□□ □□□□□□□□□ HTBH □□□□□□□□□□□□□□□□□□□□ □□□ □□□□□□□□□□□□□□□□□□□□□□□□□ (pulldown) □□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□

Tissue	□□
Disease	□□/□□□□□□□□□□□□□□□□□□□□□□ (□□□□□□□ □□□□ HEK293; □□□□□□ Rpn11-HTBH □□□□□□□□)

Applications

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CLASSIFICATION

Organism	Human
Growth properties	Adherent
GMO status	GMO-S1

GMO status details

GMO-S1: This HEK293 derivative contains a stably integrated Rpn11-HTBH expression cassette (hexahistidine-TEV-biotin acceptor peptide-hexahistidine tagged Rpn11/PSMD14). This classification applies only within Germany and may differ elsewhere.

Biosafety level	1

CHARACTERISTICS

Morphology	□□□□□□□□□□□□□□□□□□□□□□□□□□□
Cell type	□□□□□□□□□□□□□□□□□□□
Doubling time	□□□□□□□ 24 □□□ 36 □□□□□□□□

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

IDENTIFIERS

Citation

□□□□□ HEK293 □□□□□□□□□-Rpn11-HTBH (□□□□□□□□□□□□□□□□ Cytion 305719)

NCBI TaxID	9606

HANDLING AND CULTURE

Culture medium

DMEM, w: 4.5 □□□□/□□□□ □□□□□□, w: 4 □□□□□□□□□□□ □□□-□□□□□□□□□, w: 3.7 □□□□/□□□□ NaHCO3, w: 1.0 □□□□□□□□ □□□□ □□□□□□□□□□□□□□□ (□□□□□□□□□□□□□ Cytion 820300a)

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

Supplements

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Dissociation reagent	□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ PBS □□□□□□□□□□□ □□□□□□□□ Accutase 5 □□□□□ □□□□□□□□□□□□□□□□□

Subculturing

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Split ratio	1 □□□ 10
Seeding density	2 □□□ 4 × 10^4 □□□□□/□□.
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 200 x g for 5 minutes, carefully discard the supernatant containing freezing medium.
Follow the procedure described under Post-Thaw Recovery

QUALITY CONTROL AND CRYOPRESERVATION

Freeze medium	□□□ □□□□□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□ + 10% DMSO □□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

Storage conditions

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Shipping conditions

□□ □□ □□□□□□ −78 °C □□□□□□□□□□□□□ □□□□□□□□□□□□□□□□□□ □□ □□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

LEGAL AND SAFETY

Safety precautions

[illegible] [illegible] [illegible] [illegible] [illegible] [illegible]

Warranty

[illegible]Cytion [illegible]
[illegible]
60 [illegible]
[illegible]
[illegible] [illegible]/[illegible]
[illegible] [illegible]
<a href=""/Who-we-are/Warranty/"" hreflang=""x-default"">[illegible].

Material Transfer Agreement required	Yes

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