HEK293/Human c-MET&ErbB3 Stable Cell Line Data Sheet

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HEK293/Human c-MET&ErbB3 Stable Cell Line

Catalog No.	Size
CHEK-ATP217	2 × (1 vial contains ~5×10^6 cells)

• *Description*

The HEK293/Human c-MET&ErbB3 Stable Cell Line was engineered to express the receptors full length human c-MET (Gene ID: 4233) and ErbB3 (Gene ID: 2065). Surface expression of human c-MET and ErbB3 was confirmed by flow cytometry.

• *Application*

- Useful for cell-based c-MET or ErbB3 binding assay.

• *Cell Line Profile*

Cell line	HEK293/Human c-MET&ErbB3 Stable Cell Line
Host Cell	HEK293
Property	Adherent
Complete Growth Medium	DMEM + 10% FBS
Selection Marker	Puromycin (2 μg/mL) + Hygromycin B (20 μg/mL)
Incubation	37℃ with 5% CO_2
Doubling Time	22-24 hours
Transduction Technique	Lentivirus

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- ***Materials Required for Cell Culture***
  - DMEM Medium (BasalMedia, Cat. No. L120KJ)

    Note: If you are unable to obtain the specified DMEM medium (BasalMedia, Cat. No. L120KJ) in China, you may use an alternative DMEM medium (Gibco, Cat. No. 11965-092) or another suitable medium for culturing.
  - Fetal bovine serum (CellMax, Cat. No. SA211.02)
  - Puromycin (InvivoGen, Cat. No. ant-pr-5b)
  - Hygromycin B (Invitrogen, Cat. No. 10687010)
  - 0.25% Trypsin-EDTA (1X), Phenol Red (Gibco, Cat. No. 25200-056)
  - Penicillin-Streptomycin (Gibco, Cat. No. 15140-122)
  - Phosphate Buffered Saline (1X) (HyClone, Cat. No. SH30256.01)
  - Complete Growth Medium: DMEM + 10% FBS, 1%P/S
  - Culture Medium: DMEM + 10% FBS, Puromycin (2 μg/mL), Hygromycin B (20 μg/mL), 1%P/S
  - Freeze Medium: 90% FBS, 10% (V/V) DMSO
  - T-75 Culture flask (Corning, Cat. No. 430641)
  - Cryogenic storage vials (SARSTEDT, Cat. No. 72.379.007)
  - Thermostat water bath
  - Centrifuge (Cence, Model: L550)
  - Cell counter (MONWEI, Model: SmartCell200A Plus)
  - CO_2 Incubator (Thermo, Model: 3111)
  - Biological Safety Cabinet (Thermo, Model: 1389)

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• *Recovery*

1. Thaw the vial by gentle agitation in a 37°C water bath. To reduce the possibility of contamination, keep the cap out of the water. Thawing should be rapid (approximately 2 minutes).
2. Remove the vial from the water bath as soon as the contents are thawed, and decontaminate by spraying with 70% ethanol. All the operations from this point on should be carried out under strict aseptic conditions.
3. Transfer the vial contents to a centrifuge tube containing 4.0 mL complete growth medium and spin at approximately 1000 rpm for 5 minutes.
4. Resuspend cell pellet with 5 mL complete growth medium and transfer the cell suspension into T-75 flask containing 10-15 mL of pre-warmed complete growth medium.
5. Incubate at 37°C with 5% CO_2 incubator until the cells are ready to be split.

• *Subculture*

1. Remove and discard culture medium.
2. Wash the cells once with sterile PBS.
3. Add 2 mL of 0.25% trypsin to cell culture flask. Place the flask at 37°C for 2-3 minutes, until 90% of the cells have detached.
4. Add 6.0 to 8.0 mL of culture medium and aspirate cells by gently pipetting.
5. Add appropriate aliquots of the cell suspension to new culture vessel.
6. Incubate at 37°C with 5% CO_2 incubator.

Subcultivation Ratio: A subcultivation ratio of 1:6 to 1:10 is recommended.

Medium Renewal: Every 2 to 3 days.

Note: After recovery for 1-2 generations with the complete growth medium not containing the selection marker, if the cell state is well, changing to the culture medium containing the selection marker.

• *Cryopreservation*

1. Remove and discard spent medium.
2. Detach cells from the cell culture flasks with 0.25% trypsin.
3. Centrifuge at 1000 rpm for 5 min at RT to pellet cells.
4. Resuspend the cell pellets with complete growth medium and count viable cells.
5. Centrifuge at 1000 rpm for 5 min at RT and resuspend cells in freezing medium to a concentration of 5×10^6 to 1×10^7 cells/mL.
6. Aliquot into cryogenic storage vials. Place vials in a programmable cooler or an insulated box placed in a –80°C freezer overnight, then transferring to liquid nitrogen storage.

• *Storage*

- **Product format:** Frozen
- **Storage conditions:** Liquid nitrogen immediately upon receipt

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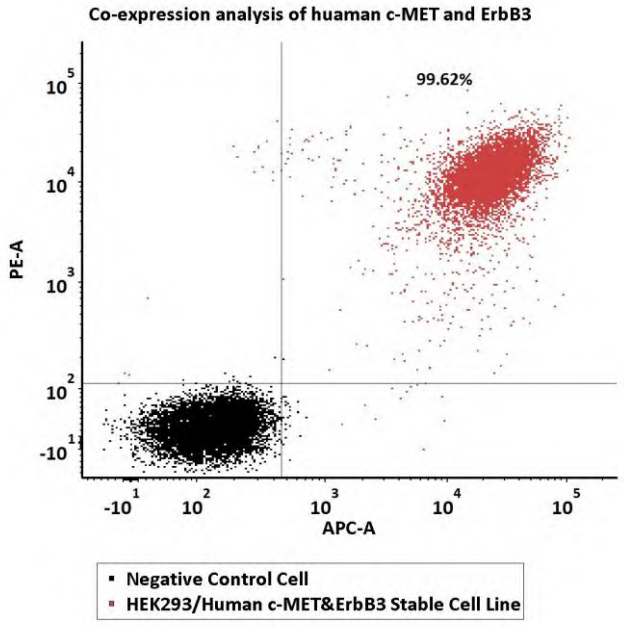
• *Receptor Assay*



Catalog No.	Stable Cell Line	（c-MET$^+$ErbB3$^+$）%	MFI for c-MET (APC)	MFI for ErbB3 (PE)
NA	Negative Control Cell	0.01	1	1
CHEK-ATP217	HEK293/Human c-MET&ErbB3 Stable Cell Line	99.62	22950.82	11508.09

Fig1. Co-expression analysis of human c-MET and ErbB3 on HEK293/Human c-MET&ErbB3 Stable Cell Line by FACS. Cell surface staining was performed on HEK293/Human c-MET&ErbB3 Stable Cell Line or negative control cell using APC-labeled anti-c-MET antibody and PE-labeled anti-ErbB3 antibody.

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• *Related Products*

Products	Cat.No.
HEK293/Human c-MET Stable Cell Line	CHEK-ATP146
CHO/Human c-MET Stable Cell Line Development Service	SCCHO-ATP141
HEK293/Human ErbB3 Stable Cell Line	CHEK-ATP149
HEK293/Human CD20 Stable Cell Line	CHEK-ATP034
HEK293/Human Claudin-18.2 Stable Cell Line	CHEK-ATP033
HEK293/Human GPRC5D Stable Cell Line	CHEK-STP042
HEK293/Human Nectin-4 Stable Cell Line	CHEK-ATP035
HEK293/Human TROP-2 Stable Cell Line	CHEK-ATP036
HEK293/Human Anti-CD19 Stable Cell Line	CHEK-ATS056
HEK293/Human Transferrin R Stable Cell Line	CHEK-ATP089
HEK293/Human DLL3 Stable Cell Line	CHEK-ATP090
HEK293/Human FOLR1 Stable Cell Line	CHEK-ATP091
HEK293/Human Glypican-3 (GPC3) Stable Cell Line	CHEK-ATP092
CHO/Human DLL3 Stable Cell Line Development Service	SCCHO-ATP111
CHO/Human Glypican-3 (GPC3) Stable Cell Line Development Service	SCCHO-ATP112
HEK293/Human ROR1 Stable Cell Line	CHEK-ATP084
CHO/Human CEACAM5 Stable Cell Line Development Service	SCCHO-ATP081
CHO/Human ROR1 Stable Cell Line Development Service	SCCHO-ATP083
HEK293/Human CEACAM5 Stable Cell Line	CHEK-ATP083
HEK293/Human Transferrin Stable Cell Line	CHEK-ATP115
HEK293/Human NAPI-IIb Stable Cell Line	CHEK-ATP116
HEK293/Human Mesothelin Stable Cell Line	CHEK-ATP119
CHO/Human Mesothelin Stable Cell Line Development Service	SCCHO-ATP120
CHO/Human STEAP1 Stable Cell Line Development Service	SCCHO-ATP121
HEK293/Human ENPP3 Stable Cell Line	CHEK-ATP122
HEK293/Human LRRC15 Stable Cell Line	CHEK-ATP123
HEK293/Human Claudin-1 Stable Cell Line	CHEK-ATP124
HEK293/Human Integrin alpha V beta 6 Stable Cell Line	CHEK-ATP125

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Products	Cat.No.
HEK293/Human B7-H4 Stable Cell Line	CHEK-ATP126
HEK293/Human Cadherin-6 Stable Cell Line	CHEK-ATP127
CHO/Human GPRC5D Stable Cell Line	CCHO-STP078
HEK293/Human LY6G6D Stable Cell Line	CHEK-ATP137
HEK293/Human Claudin-6 Stable Cell Line	CHEK-ATP138
HEK293/Human Claudin-9 Stable Cell Line	CHEK-ATP139
HEK293/Human CCR8 Stable Cell Line	CHEK-ATP140
HEK293/Human CD19 Stable Cell Line	CHEK-ATP003
CHO/Human uPAR Stable Cell Line Development Service	SCCHO-ATP152
HEK293/Human STEAP1 Stable Cell Line	CHEK-ATP154
HEK293/Human EGF R Stable Cell Line	CHEK-ATP148
HEK293/Human ErbB2 Stable Cell Line	CHEK-ATP150
HEK293/Human uPAR Stable Cell Line	CHEK-ATP151
CHO/Human B7-H3 (4Ig) Stable Cell Line Development Service	SCCHO-ATP169
CHO/Human CD79A&CD79B Stable Cell Line Development Service	SCCHO-ATP170
CHO/Human CD79B Stable Cell Line Development Service	SCCHO-ATP171
HEK293/Human Cadherin-17 Stable Cell Line	CHEK-ATP173
HEK293/Human EpCAM Stable Cell Line	CHEK-ATP175
HEK293/Human TPBG Stable Cell Line	CHEK-ATP176
HEK293/Cynomolgus Glypican-3 (GPC3) Stable Cell Line	CHEK-ATP177
CHO/Cynomolgus Glypican-3 (GPC3) Stable Cell Line Development Service	SCCHO-ATP179
HEK293/Human GUCY2C Stable Cell Line	CHEK-ATP182
HEK293/Human SEZ6 Stable Cell Line	CHEK-ATP183
HEK293/Human FAP Stable Cell Line	CHEK-ATP184
HEK293/Human PSMA Stable Cell Line	CHEK-ATP185
HEK293/Human PTK7 Stable Cell Line	CHEK-ATP186
HEK293/Human MCAM Stable Cell Line	CHEK-ATP195
HEK293/Human GPC3 Δ HS Stable Cell Line	CHEK-ATP212
HEK293/Human SSTR2 Stable Cell Line	CHEK-ATP213