

HK-CRISPR-mEGFP-Seh1 | 300669

General information

Description	HK-CRISPR-mEGFP-Seh1 is a HeLa cell line with a CRISPR/Cas9 system targeting the Seh1 gene. The Seh1 gene is knocked out, and the mEGFP gene is inserted into the Seh1 locus. The mEGFP gene is expressed under the control of the Seh1 promoter.
Organism	HeLa
Tissue	Epithelial cells
Disease	None

Cell characteristics

Age	30 days
Gender	Male
Ethnicity	European
Morphology	Epithelial cells, adherent
Growth properties	Highly proliferative

Genetic information

Citation	HK-CRISPR-mEGFP-Seh1 (HeLa) Cytion 300669
Biosafety level	1
NCBI_TaxID	9606
Depositor	HeLa (EMBL)
GMO Status	GMO-S1: HeLa Kyoto CRISPR knock-in mEGFP Seh1, HeLa Kyoto CRISPR knock-in mEGFP Seh1, HeLa Kyoto CRISPR knock-in mEGFP Seh1

Genetic information

Product sheet

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Protein expression Seh1, mEGFP-tag

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

Supplements 10% FBS

Dissociation Reagent

Subculturing 1. PBS 2. T25, 3-5 3. PBS, 3 4. , 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

Freeze medium (FBS) + 10% DMSO 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

Thawing and Culturing Cells

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

Incubation Atmosphere 37°C, 5% CO₂,

Flask Coating

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Freezing
Procedure

1. Thaw the cells in a water bath at 37°C. 2. Centrifuge the cells at 300g for 5 minutes. 3. Wash the cells with PBS. 4. Resuspend the cells in freezing medium. 5. Aliquot the cells into 1.5 ml Eppendorf tubes. 6. Freeze the cells in a dry ice/ethanol slush. 7. Store the cells at -80°C.

Shipping
Conditions

1. The cells are shipped in a dry ice/ethanol slush. 2. The cells are shipped at -80°C.

Storage
Conditions

1. The cells are stored at -80°C. 2. The cells are stored in a dry ice/ethanol slush. 3. The cells are stored in a 1.5 ml Eppendorf tube. 4. The cells are stored for up to 12 months.

CRISPR-Cas9 System

Sterility

1. The cells are grown in a sterile environment. 2. The cells are grown in a 12-well plate. 3. The cells are grown in DMEM medium. 4. The cells are grown in the presence of Cas9 and gRNA. 5. The cells are grown for 72 hours. 6. The cells are harvested and analyzed by flow cytometry.