Dec 12, 2024

STC-1 cell culture

Forked from STC-1 cell culture

DOI
https://dx.doi.org/10.17504/protocols.io.j8nlk98kwv5r/v1

Michael J Hurley[1,2]

[1]Department of Clinical and Movement Neurosciences, UCL Queen Square Institute of Neurology, London, UK; [2]Aligning Science Across Parkinson's (ASAP) Collaborative Research Network, Chevy Chase, Maryland, USA.

Alexandria White
Emory University

DOI: https://dx.doi.org/10.17504/protocols.io.j8nlk98kwv5r/v1

Protocol Citation: Michael J Hurley 2024. STC-1 cell culture. **protocols.io** https://dx.doi.org/10.17504/protocols.io.j8nlk98kwv5r/v1

Protocol status: Working
We use this protocol and it's working

Created: December 11, 2024

Last Modified: December 12, 2024

Protocol Integer ID: 114725

Keywords: ASAPCRN, cell

Funders Acknowledgements:
Aligning Science Across Parkinson's
Grant ID: ASAP-000420

Abstract

Cell culture of STC-1 mouse enteroendocrine cells.

STC-1 cell culture

1 Obtain Mouse (*Mus musculus*) neuroendocrine duodenal adenoma STC-1 cells (RRID:CVCL_J405) from the American Type Culture Collection (ATCC-CRL-3254™).

2 Grow STC-1 cells in DMEM:F12 Ham with GlutaMax™ media supplemented with 10 % heat-inactivated fetal bovine serum (Gibco) and penicillin (100 U/ml) streptomycin (100 mg/ml) on 24 or 96 well plates at 37°C under saturating humidity in a 5% CO_2/95% air mixture.

3 Subculture cells when 80-90 % confluent using Trypsin and replate at 1:10 dilution for maintenance or at an appropriate density for experiments.