

Materials List for:

Live Cell Imaging and 3D Analysis of Angiotensin Receptor Type 1a Trafficking in Transfected Human Embryonic Kidney Cells Using Confocal Microscopy

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Materials

| Name | Company | Catalog Number | Comments |
|--|---|--|---------------------------------------|
| Angiotensin II (Ang II) | Sigma-Aldrich | A9525 | |
| Dulbecco's Modified Eagle medium (DMEM 1x) | Gibco -ThermoFisher Scientific | 11960-044 | Warm in 37 °C water bath before use |
| Fetal Bovine Serum (FBS) | Sigma-Aldrich | F2442 | Warm in 37 °C water bath before use |
| Penicillin Streptomycin (Pen Strep) | Gibco -ThermoFisher Scientific | 15140-122 | Warm in 37 °C water bath before use |
| L-Glutamine 200 mM (100x) | Gibco (life technologies) | 25030-081 | Warm in 37 °C water bath before use |
| Human Embryonic Kidney (HEK)-293 cells | American Type Culture Collection (ATCC) | CRL-1573 | Passage number 5 - 12 |
| Nunc Lab-Tek II chambered 1.5 German Coverglass System | Sigma-Aldrich | 155409 | |
| Lipofectamine 2000 Transfection Reagent | ThermoFisher Scientific | 11668019 | Store at 4 °C |
| Opti-MEM, Reduced Serum Medium | Gibco- ThermoFisher Scientific | 31985-070 | Warm in 37 °C water bath before use |
| PBS 10x | Fisher BioReagents | BP3994 | Warm in 37 °C water bath before use |
| Dulbecco's Modified Eagle medium (DMEM 1x) | Gibco -ThermoFisher Scientific | 31053-028 | Warm in 37 °C water bath before use |
| LysoTracker Red DND-99 | molecular probes -ThermoFisher Scientific | L7528 | Store aliquotes in dark at -20 °C . |
| Volocity Ver. 6.3 Image Analysis software | PerkinElmer | Visualization and Quantitation Modules | For 3D image analysis of image stacks |
| Leica SP8 AOBS | Leica Microsystems | laser scanning confocal microscope | For image collection |
| Zeiss LSM 880 | Carl Zeiss | laser scanning confocal microscope | For image collection |