**KEY RESOURCES TABLE**

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| --- | --- | --- |
| **REAGENT or RESOURCE** | **SOURCE** | **IDENTIFIER** |
| **Antibodies** |
| Mouse HNK-1 IgM | DSHB | Cat#3H5 |
| TuJ1 clone | COVANCE | TUJ1 |
| Alexa 488 anti-mouse IgM | ThermoFisher | Cat# A-21042 |
| Alexa 488 anti-rabbit IgG | ThermoFisher | Cat#A-11034 |
| Alexa 594 anti-rabbit IgG | ThermoFisher | Cat#A11037 |
| Alexa 488 anti-mouse IgM | Invitrogen | Cat# A-21042 |
| cell tracker CM-DiI | Invitrogen | Cat# C-7001 |
| DAPI | Molecular Probes |  |
| **Biological Samples** |
| **Chemicals, Peptides, and Recombinant Proteins** |
| BSA | ThermoFisher | Cat#BP-1600-100 |
| Permafluor | ThermoFisher | TA-006-FM |
| **Critical Commercial Assays** |
| Boyden Chamber Assay | BD |  |
| **Experimental Models: Organisms/Strains**  |
| Chicken embryos (*Gallus gallus*) | AA Laboratories, Westminster, CA |  |
|  **Recombinant DNA** |
| DN-erbB4 | Gabriel Corfas | [https://doi.org/10.1016/S0896-6273(00)80346-3](https://doi.org/10.1016/S0896-6273%2800%2980346-3). |
| pcDNA3-EGFP | Doug Golenbock,Addgene | #13031 |
| **Software and Algorithms**  |
| Excel | Microsoft | <https://products.office.com/en-us/excel> |
| GeneSpring | Agilent Technologies | <http://genespring-support.com/support/feature-content#intro>  |
| Bio-Rad CFX-96 | Bio-Rad | <http://www.bio-rad.com/en-us/category/qpcr-analysis-software>  |
| Agilent’s Feature Extraction software version 11.0.1.1 | Agilent |  |
| Excel | Microsoft | <https://products.office.com/en-us/excel>  |
| IPA | Qiagen | <https://www.qiagenbioinformatics.com/products/ingenuity-pathway-analysis/>  |
| The **D**atabase for **A**nnotation, **V**isualization and**I**ntegrated **D**iscovery (**DAVID**) |  | <https://david.ncifcrf.gov/>  |
| ImageJ Manual Tracking | ImageJ | <https://imagej.nih.gov/ij/plugins/track/track.html> |
| ImageJ Chemotaxis and Migration Tool | ImageJ | <http://ibidi.com/software/chemotaxis_and_migration_tool> |
| AxioVision Rel. 4.8 | Zeiss | <https://www.zeiss.com/microscopy/int/downloads/axiovision-downloads.html> |
| **Experimental Models: Cell Lines**  |
| SpL201 | Johanna Buchstaller | GLIA 36:31–47, 2001. DOI:10.1002/glia.1093 |
| HEK293 |  ATCC | ATCC® CRL-1573™ |
| **Recombinant DNA** |
| pMES-GFP | Marianne Bronner |   |
| pMES-MIF | Vivian Lee |   |