



Feb 09, 2024

Bulk tissue RNA-sequencing - hiPSC-derived astrocytes, neurons and co-cultures

DOI

<https://dx.doi.org/10.17504/protocols.io.ewov1q6kpgr2/v1>

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Protocol Citation: Karishma D'Sa 2024. Bulk tissue RNA-sequencing - hiPSC-derived astrocytes, neurons and co-cultures . protocols.io <https://dx.doi.org/10.17504/protocols.io.ewov1q6kpgr2/v1>

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Protocol status: Working

We use this protocol and it's working



Created: February 08, 2024

Last Modified: February 09, 2024

Protocol Integer ID: 94893

Keywords: derived astrocyte, illumina truseq stranded mrna library prep kit, bulk tissue rna, sequencing of hipsc, rna, sequencing, hipsc

Abstract

Bulk tissue RNA-sequencing of hiPSC-derived astrocytes, neurons and co-cultures using the Illumina TruSeq Stranded mRNA Library Prep kit



Bulk tissue RNA-sequencing

- 1 Libraries for sequencing were prepared using the Illumina TruSeq Stranded mRNA Library Prep kit by loading 50 ng of total RNA into the initial reaction; fragmentation and PCR steps were undertaken as per the manufacturer's instructions.
- 2 Final library concentrations were determined using Qubit 2.0 fluorometer and pooled to a normalized input library.
- 3 Pools were sequenced using the Illumina NovaSeq 6000 Sequencing system to generate 150 bp paired-end reads with an average read depth of ~137 million paired-end reads per sample.