

Human TRC Drugable Lentiviral shRNA Collection – Glycerol

Cat. #RHS4332

Vector: pLKO.1
Species: *Homo sapiens*
Source: RefSeq Annotation

Product Description:

The Expression Arrest™ TRC Library is the result of a collaborative research effort based at the Broad Institute of MIT and Harvard, and includes six MIT and Harvard associated research institutions and five international life sciences organizations. The goal of TRC is to create lentiviral shRNA libraries targeting 15,000 human and 15,000 mouse annotated genes with multiple constructs per gene. We have partnered with the TRC to make these shRNA libraries available to researchers worldwide.

Curation:

Certain genes represent an opportunity for therapeutic intervention. Hopkins and Groom published a review of the genome estimating the percentage and type of genes meeting the criteria for druggability. With the completion of the human genome it is now possible to make better predictions based on both structure and function. Our scientists used innovative bioinformatic tools and ontological information to create the druggable gene subset.

Quality Control:

All cultures are checked for growth prior to shipment.

Shipping and Storage:

Collections are in 96-well plate format as bacterial cultures of *E. coli* (DH5α) in 2x LB broth (low salt)* medium with 8% glycerol, 100 µg/mL carbenicillin. Collections are shipped on dry ice and should be stored at -80 °C. *1x LB medium can be used instead of 2x LB broth medium.

To allow any CO₂ that may have dissolved into the media from the dry ice in shipping to dissipate, please store constructs at -80 °C for at least 48 hours before thawing.

Important Safety Note:

Please follow the safety guidelines for use and production of vector-based lentivirus as set by your institution's biosafety committee. In general, the NIH Office of Biotechnology BSL2 or BSL2+ guidelines should be followed.

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