

Resource Summary Report

Generated by [RRID](#) on Aug 26, 2026

TRPM7 gRNA (BRDN0001146152)

RRID:Addgene_76111

Type: Plasmid

Proper Citation

RRID:Addgene_76111

Plasmid Information

URL: <http://www.addgene.org/76111>

Proper Citation: RRID:Addgene_76111

Insert Name: TRPM7

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:26780180](#)

Vector Backbone Description: Backbone Marker:Zhang Lab (Addgene plasmid # 52963); Vector Backbone:lentiGuide-Puro; Vector Types:Mammalian Expression, Lentiviral, CRISPR; Bacterial Resistance:Ampicillin

Comments: The gRNA was designed to target the following Genbank reference sequence(s): NM_001301212.1,NM_017672.5. Note that this plasmid does NOT contain Cas9. It should be used in conjunction with lentiCas9-Blast (Addgene #52962) or otherwise with cell lines already expressing Cas9. Browse the full kinome gRNA library at <http://www.addgene.org/pooled-library/broadgpp-human-kinome/> or visit <http://www.broadinstitute.org/rnai/public/> for detailed protocols and information.

Plasmid Name: TRPM7 gRNA (BRDN0001146152)

Record Creation Time: 20220422T222502+0000

Record Last Update: 20260815T081954+0000

Ratings and Alerts

No rating or validation information has been found for TRPM7 gRNA (BRDN0001146152).

No alerts have been found for TRPM7 gRNA (BRDN0001146152).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Samart P, et al. (2021) O-GlcNAcylation homeostasis controlled by calcium influx channels regulates multiple myeloma dissemination. Journal of experimental & clinical cancer research : CR, 40(1), 100.

Luanpitpong S, et al. (2020) A novel TRPM7/O-GlcNAc axis mediates tumour cell motility and metastasis by stabilising c-Myc and caveolin-1 in lung carcinoma. British journal of cancer, 123(8), 1289.