

Resource Summary Report

Generated by [NIF](#) on Jul 30, 2026

pRK5 FLAG DEPTOR (PDZ domain)

RRID:Addgene_21701

Type: Plasmid

Proper Citation

RRID:Addgene_21701

Plasmid Information

URL: <http://www.addgene.org/21701>

Proper Citation: RRID:Addgene_21701

Insert Name: DEPTOR PDZ domain

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:19446321](#)

Vector Backbone Description: Backbone Size:4700; Vector Backbone:pRK5-FLAG;
Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Plasmid Name: pRK5 FLAG DEPTOR (PDZ domain)

Relevant Mutation: PDZ domain only

Record Creation Time: 20220422T222056+0000

Record Last Update: 20260725T074427+0000

Ratings and Alerts

No rating or validation information has been found for pRK5 FLAG DEPTOR (PDZ domain).

No alerts have been found for pRK5 FLAG DEPTOR (PDZ domain).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

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

Csukasi F, et al. (2022) Skeletal diseases caused by mutations in PTH1R show aberrant differentiation of skeletal progenitors due to dysregulation of DEPTOR. *Frontiers in cell and developmental biology*, 10, 963389.

Li K, et al. (2021) DEPTOR Prevents Osteoarthritis Development Via Interplay With TRC8 to Reduce Endoplasmic Reticulum Stress in Chondrocytes. *Journal of bone and mineral research : the official journal of the American Society for Bone and Mineral Research*, 36(2), 400.

Carbonneau M, et al. (2016) The oncometabolite 2-hydroxyglutarate activates the mTOR signalling pathway. *Nature communications*, 7, 12700.

González-Terán B, et al. (2016) p38 γ and δ promote heart hypertrophy by targeting the mTOR-inhibitory protein DEPTOR for degradation. *Nature communications*, 7, 10477.