

Resource Summary Report

Generated by [PRECISE-TBI](#) on Aug 13, 2026

pDest490-OPN-a

RRID:Addgene_17590

Type: Plasmid

Proper Citation

RRID:Addgene_17590

Plasmid Information

URL: <http://www.addgene.org/17590>

Proper Citation: RRID:Addgene_17590

Insert Name: OPN-a

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:17452979](#)

Vector Backbone Description: Backbone Marker:Invitrogen; Backbone Size:5300; Vector Backbone:pDest-490; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: Mature human OPN cDNA.

Plasmid Name: pDest490-OPN-a

Relevant Mutation: Base pairs 49–942

Record Creation Time: 20220422T222016+0000

Record Last Update: 20260808T081300+0000

Ratings and Alerts

No rating or validation information has been found for pDest490-OPN-a.

No alerts have been found for pDest490-OPN-a.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Hoac B, et al. (2018) Osteopontin as a novel substrate for the proprotein convertase 5/6 (PCSK5) in bone. Bone, 107, 45.

Takeyari S, et al. (2014) Hypophosphatemic osteomalacia and bone sclerosis caused by a novel homozygous mutation of the FAM20C gene in an elderly man with a mild variant of Raine syndrome. Bone, 67, 56.

Kinoshita Y, et al. (2014) Functional analysis of mutant FAM20C in Raine syndrome with FGF23-related hypophosphatemia. Bone, 67, 145.