

Resource Summary Report

Generated by [RRID](#) on Aug 31, 2026

pMT1093 human L1 EN- (ORF2p E43S, D145N) ORF2p-3xFlag (ORFeus-Hs, CMV promoter) in pCEP4 Puro (derivative of pMT646)

RRID:Addgene_213028

Type: Plasmid

Proper Citation

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Plasmid Information

URL: <http://www.addgene.org/213028>

Proper Citation: RRID:Addgene_213028

Insert Name: Human LINE-1 (ORFeus-Hs codon optimized sequence, EN- E43S D145N) with ORF2-3xFlag

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:38096902](https://pubmed.ncbi.nlm.nih.gov/38096902/)

Vector Backbone Description: Backbone Marker:Invitrogen (modified); Backbone Size:9879; Vector Backbone:pCEP4 Puro; Vector Types:Mammalian Expression; Bacterial Resistance:Ampicillin

Comments: The construct is based on the synthetic L1 ORFeus-Hs sequence generated in the lab of Jef Boeke (see W. An et al., Mobile DNA 2, 2011 <https://doi.org/10.1186/1759-8753-2-2>).

Plasmid Name: pMT1093 human L1 EN- (ORF2p E43S, D145N) ORF2p-3xFlag (ORFeus-Hs, CMV promoter) in pCEP4 Puro (derivative of pMT646)

Relevant Mutation: E43S D145N double mutant EN- endonuclease catalytic dead

Record Creation Time: 20240801T080633+0000

Record Last Update: 20260829T082039+0000

Ratings and Alerts

No rating or validation information has been found for pMT1093 human L1 EN- (ORF2p E43S, D145N) ORF2p-3xFlag (ORFeus-Hs, CMV promoter) in pCEP4 Puro (derivative of pMT646).

No alerts have been found for pMT1093 human L1 EN- (ORF2p E43S, D145N) ORF2p-3xFlag (ORFeus-Hs, CMV promoter) in pCEP4 Puro (derivative of pMT646).

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.