

Resource Summary Report

Generated by [RRID](#) on Aug 23, 2026

pTYB1-pLAC-N45

RRID:Addgene_48718

Type: Plasmid

Proper Citation

RRID:Addgene_48718

Plasmid Information

URL: <http://www.addgene.org/48718>

Proper Citation: RRID:Addgene_48718

Insert Name: Lacritin

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:23640897](#)

Vector Backbone Description: Backbone Marker:New England BioLabs, INC; Backbone Size:7477; Vector Backbone:pTYB1; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: Please note that amino acid numbering of this plasmid is relative to amino acid #20 in GenBank reference sequence NP_150593.1. E20 in the reference sequence is considered the first amino acid of lacritin in this plasmid. Lacritin protein sequence in this plasmid is:

AAAVQGTAKVTSSRQELNPLKSIVEKSILLTEQALAKAGKGMHGGVPGGKQFIENGSEFAQKLLKKF

Plasmid Name: pTYB1-pLAC-N45

Relevant Mutation: Deleted first 45 amino acids of mature lacritin without signal peptide

Record Creation Time: 20220422T222250+0000

Record Last Update: 20260815T081553+0000

Ratings and Alerts

No rating or validation information has been found for pTYB1-pLAC-N45.

No alerts have been found for pTYB1-pLAC-N45.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.