

Resource Summary Report

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

pEAT8-137 M1V

RRID:Addgene_173807

Type: Plasmid

Proper Citation

RRID:Addgene_173807

Plasmid Information

URL: <http://www.addgene.org/173807>

Proper Citation: RRID:Addgene_173807

Insert Name: SERPiNA1

Organism: Homo sapiens

Bacterial Resistance: Ampicillin

Defining Citation: [PMID:28752459](#)

Vector Backbone Description: Vector Backbone:pET-8C; Vector Types:Bacterial Expression; Bacterial Resistance:Ampicillin

Comments: For details on mutating an internal initiation site in the SERPIINA1 gene (changing the pEAT8 plasmid to pEAT8-137) see: Laska, M. E. (2001) The effect of dissolved oxygen on recombinant protein degradation in Escherichia coli, Thesis, Massachusetts Institute of Technology, Cambridge, MA

Plasmid Name: pEAT8-137 M1V

Relevant Mutation: E1M Otherwise this plasmid encodes the most common wildtype form of human alpha1-antitrypsin called M1V. The sequence is that of the mature protien (no signal sequence) in UniProt entry P01009

Record Creation Time: 20220422T222005+0000

Record Last Update: 20260815T081034+0000

Ratings and Alerts

No rating or validation information has been found for pEAT8-137 M1V.

No alerts have been found for pEAT8-137 M1V.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We have not found any literature mentions for this resource.