

# Resource Summary Report

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

## pMYO127TAG-SepT

RRID:Addgene\_34625

Type: Plasmid

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### Proper Citation

RRID:Addgene\_34625

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### Plasmid Information

**URL:** <http://www.addgene.org/34625>

**Proper Citation:** RRID:Addgene\_34625

**Insert Name:** Myoglobin-127TAG

**Organism:** Sperm Whale: Physeter macrocephalus

**Bacterial Resistance:** Chloramphenicol

**Defining Citation:** [PMID:21868676](#)

**Vector Backbone Description:** Vector Backbone:pSepT; Vector Types:Bacterial Expression; Bacterial Resistance:Chloramphenicol

**Comments:** To prevent possible enzymatic dephosphorylation of O-phospho-L-serine (Sep) in vivo, the gene encoding phosphoserine phosphatase (serB), which is catalyzing the last step in serine biosynthesis, was deleted from Escherichia coli strains Top10 (Top10?serB - Addgene #34928) and BL21 (BL21?serB - Addgene #34929). These strains are required hosts when using this plasmid.

**Plasmid Name:** pMYO127TAG-SepT

**Relevant Mutation:** codon-optimized + an amber stop codon was introduced to the myoglobin gene at position Asp127

**Record Creation Time:** 20220422T222147+0000

**Record Last Update:** 20260815T081354+0000

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### Ratings and Alerts

No rating or validation information has been found for pMYO127TAG-SepT.

No alerts have been found for pMYO127TAG-SepT.

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## Data and Source Information

**Source:** [Addgene](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.