

Resource Summary Report

Generated by [RRID](#) on Aug 19, 2026

[MMACHC](#)

RRID:Addgene_39096

Type: Plasmid

Proper Citation

RRID:Addgene_39096

Plasmid Information

URL: <http://www.addgene.org/39096>

Proper Citation: RRID:Addgene_39096

Insert Name: MMACHC

Organism: Homo sapiens

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Marker:SGC; Vector Backbone:pNIC28-Bsa4;
Vector Types:Bacterial Expression; Bacterial Resistance:Kanamycin

Comments: <http://www.thesgc.org/structures/3SOM/>

Plasmid Name: MMACHC

Record Creation Time: 20220422T222204+0000

Record Last Update: 20260815T081425+0000

Ratings and Alerts

No rating or validation information has been found for MMACHC.

No alerts have been found for MMACHC.

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 [RRID](#) .

Longo L, et al. (2025) Modulation of conformational features and oligomerization of MMACHC by cobalamin variants: impact of the R161Q mutation in cblC disease. European biophysics journal : EBJ.

Longo L, et al. (2025) Missense mutations in MMACHC protein from cblC disease affect its conformational stability and vitamin B12-binding activity: The example of R161Q mutation. Molecular genetics and metabolism, 145(3), 109150.

Passantino R, et al. (2022) Investigation on a MMACHC mutant from cblC disease: The c.394C>T variant. Biochimica et biophysica acta. Proteins and proteomics, 1870(6), 140793.