

***Paenisporsarcina* sp., Strain HGH0030**

Catalog No. HM-788

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Planococcaceae*, *Paenisporsarcina*

Species: *Paenisporsarcina* sp.

Strain: HGH0030

Original Source: *Paenisporsarcina* sp., strain HGH0030 was isolated from a biopsy of large intestine mucosa of a human subject.^{1,2}

Comments: *Paenisporsarcina* sp., strain HGH0030 ([HMP ID 1210](#)) is a reference genome for [The Human Microbiome Project](#) (HMP). HMP is an initiative to identify and characterize human microbial flora. The complete genome of *Paenisporsarcina* sp., strain HGH0030 was sequenced at the [Broad Institute](#) (GenBank: [AGEQ00000000](#)).

Note: HMP material is taxonomically classified by the depositor. Quality control of these materials is only performed to demonstrate that the material distributed by BEI Resources is identical to the deposited material.

Paenisporsarcina species are non-motile, strictly aerobic, sporulating, Gram-positive, psychrophilic rods and/or cocci commonly found in surface soil and ice.^{3,4}

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in 0.5X Tryptic Soy broth supplemented with 10% glycerol.

Note: If homogeneity is required for your intended use, please purify prior to initiating work.

Packaging/Storage:

HM-788 was packaged aseptically in cryovials. The product is provided frozen and should be stored at -60°C or colder immediately upon arrival. For long-term storage, the vapor phase of a liquid nitrogen freezer is recommended. Freeze-thaw cycles should be avoided.

Growth Conditions:

Tryptic Soy broth or equivalent

Tryptic Soy agar with 5% defibrinated sheep blood or equivalent

Incubation:

Temperature: 30°C

Atmosphere: Aerobic

Propagation:

1. Keep vial frozen until ready for use, then thaw.
2. Transfer the entire thawed aliquot into a single tube of broth.
3. Use several drops of the suspension to inoculate an agar slant and/or plate.
4. Incubate the tube, slant and/or plate at 30°C for 72 hours.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Paenisporsarcina* sp., Strain HGH0030, HM-788."

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. [Biosafety in Microbiological and Biomedical Laboratories](#), 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see www.cdc.gov/biosafety/publications/bmbl5/index.htm.

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References:

1. [HMP ID 1210](#) (*Paenisporosarcina* sp., strain HGH0030)
2. T. M. Schmidt, Personal Communication.
3. Reddy, G. S., et al. "*Paenisporosarcina indica* sp. nov., a Psychrophilic Bacterium from a Glacier, and Reclassification of *Sporosarcina antarctica* Yu et al., 2008 as *Paenisporosarcina antarctica* comb. nov. and Emended Description of the Genus *Paenisporosarcina*." Int. J. Syst. Evol. Microbiol. 63 (2013): 2927-2933. PubMed: 23355696.
4. Krishnamurthi, S., et al. "Description of *Paenisporosarcina quisquiliarum* Gen. nov., sp. nov., and Reclassification of *Sporosarcina macmurdoensis* Reddy et al. 2003 as *Paenisporosarcina macmurdoensis* comb. nov." Int. J. Syst. Evol. Microbiol. 59 (2009): 1364-1370. PubMed: 19502317.

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