

***Phascolarctobacterium* sp., Strain
3_1_syn4**

Catalog No. HM-179

For research use only. Not for human use.

Contributor:

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Manufacturer:

BEI Resources

Product Description:

Bacteria Classification: *Acidaminococcaceae*,
Phascolarctobacterium

Species: *Phascolarctobacterium* sp.

Strain: 3_1_syn4

Original Source: *Phascolarctobacterium* sp., strain 3_1_syn4 was isolated from the colon of a patient undergoing a colon cancer screen procedure in Calgary, Alberta, Canada in 2007.¹

Comments: *Phascolarctobacterium* sp., strain 3_1_syn4 (HMP ID 1001) 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 *Phascolarctobacterium* sp., strain 3_1_syn4 is currently being sequenced at the [Broad Institute](#).

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.

Phascolarctobacterium species are typically non-motile, non-sporulating, Gram-negative-staining, strictly anaerobic, pleomorphic rods found in the gastrointestinal tract of humans and animals.^{2,3} Little is known of the pathogenic potential of *Phascolarctobacterium* species, as clinical data is scarce for these organisms.

Material Provided:

Each vial contains approximately 0.5 mL of bacterial culture in Wilkins-Chalgren anaerobe broth supplemented with 2% yeast extract and 10% glycerol.

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

Packaging/Storage:

HM-179 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:

Media:

Wilkins-Chalgren anaerobe medium with 2% yeast extract or Fastidious Anaerobe agar¹ or equivalent

Incubation:

Temperature: 37°C

Atmosphere: Anaerobic

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 37°C for 5 to 10 days.

Citation:

Acknowledgment for publications should read "The following reagent was obtained through BEI Resources, NIAID, NIH as part of the Human Microbiome Project: *Phascolarctobacterium* sp., Strain 3_1_syn4, HM-179."

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. Allen-Vercoe, E., Personal Communication.
2. Del Dot, T., R. Osawa and E. Stackebrandt. "*Phascolarctobacterium faecium* gen. nov., spec. nov., a Novel Taxon of the Sporomusa Group of Bacteria." Syst. Appl. Microbiol. 16 (1993): 380-384.
3. Watanabe, Y., F. Nagai and M. Morotomi. "Characterization of *Phascolarctobacterium succinatutens* sp. nov., an Asaccharolytic, Succinate-Utilizing Bacterium Isolated from Human Feces." Appl. Environ. Microbiol. 78 (2012): 511-518. PubMed: 22081579.
4. [HMP ID 1001](#) (*Phascolarctobacterium* sp., strain 3_1_syn4)

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