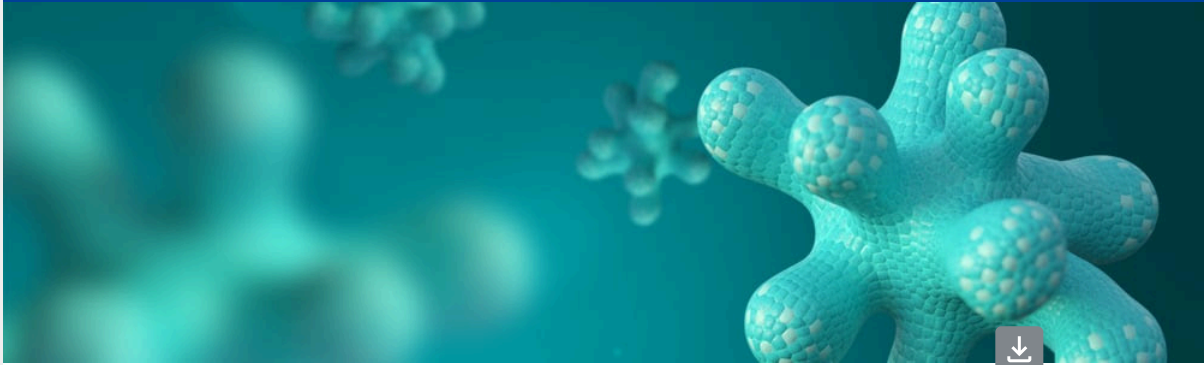


Introducing the Latest Organoid Culture Technology!



The highly acclaimed stabilized Wnt3a, “Afamin/Wnt3a CM” now available in high-concentration !

- Stable Wnt3a Activity for Enhanced Culturing
- Enables organoid culture with a serum-free medium.
- Facilitates long-term organoid growth.
- Higher density and activity compared to our former product (J2-001), reducing costs for organoid culture!

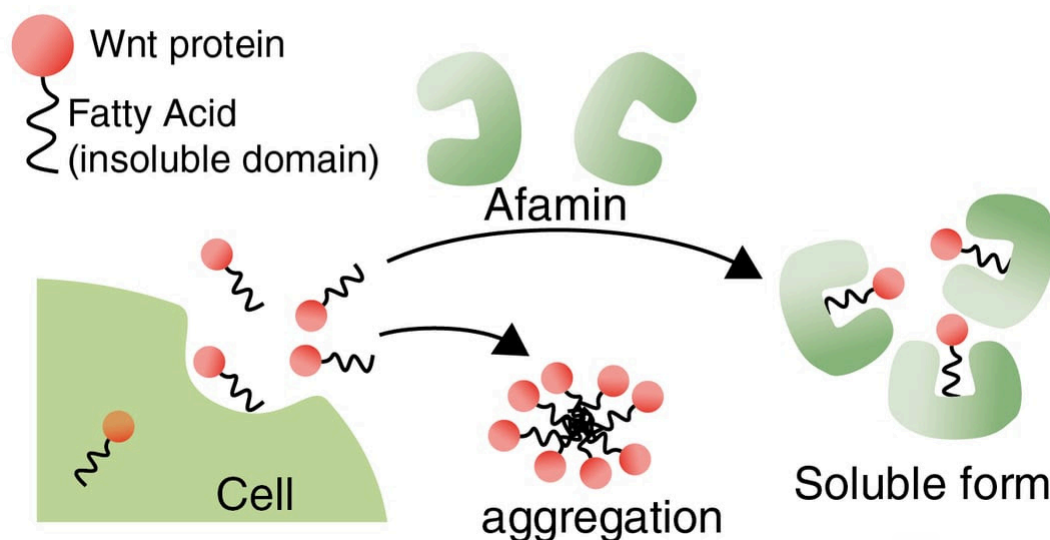
Afamin/Wnt3a CM sample request

Mechanism of Wnt3a Stabilization by Afamin

Wnt3a is a common growth factor for organoid culture; nevertheless, the lipid-soluble Wnt3a protein in serum-free medium tends to aggregate over time, leading to a loss of its activity.

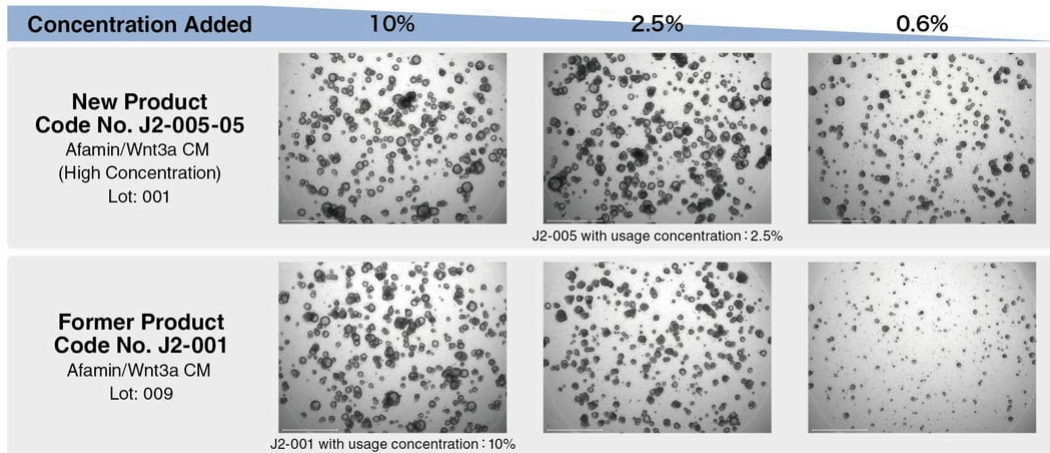
[Mihara et al.](#) found that Afamin, one of the components of serum, forms a complex with Wnt3a to maintain high Wnt3a activity. In addition, the use of the complex of Afamin and Wnt3a in the culture of organoids enabled the long-term culture of organoids.

Overview of Afamin/Wnt3a Complex



Intestinal Organoid Culture Using Afamin/Wnt3a CM

The new product (Code No. J2-005-05) and the former product (Code No. J2-001) were used to culture human small intestine organoids. At a concentration of 2.5%, the former product (Code No. J2-001) showed a decrease in organoid growth (at the bottom). On the other hand, even at an added concentration of 2.5%, the new product maintains robust organoid growth (at the top) (Photos: Human small intestinal organoid culture images after 7 days).



MBL is committed to advancing organoid culture technology by providing products that support stable, long-term organoid culture with cost-effective solutions.

- [Afamin/Wnt3a CM \(High Concentration\)](#)
- [Recombinant Afamin/Wnt3a](#)
- [FGF-Max \(universal FGF agonist\)](#)
- [Recombinant Human R-spondin 1](#)

[Contact Us](#)

Stay tuned for more updates and product information in our upcoming newsletters!
Thank you for choosing MBL for your biological research needs.

For research use only. Not for use in diagnostic or therapeutic procedures. The information is as of August 2024. Please contact us for the latest information. Please read the data sheets carefully before use

When culturing organoids, stem cells, or other tissues, if you are to use this product in combination with other factor or factors (hereunder factors), a third party may have a patent on the use or other application of the factors concerned.

Regarding to this product, we do not offer any non-infringement warranty when used or otherwise applied in combination with other factors. Therefore, if you intend to use this product in combination with other factors, please check with your organization's division responsible for intellectual property rights or your research agency before using this product.

Please see the link below for the policy regarding the handling of personal information.

<https://www.mblbio.com/e/privacy/>

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