

An innovative tool for organoid culture!

FGF-Max

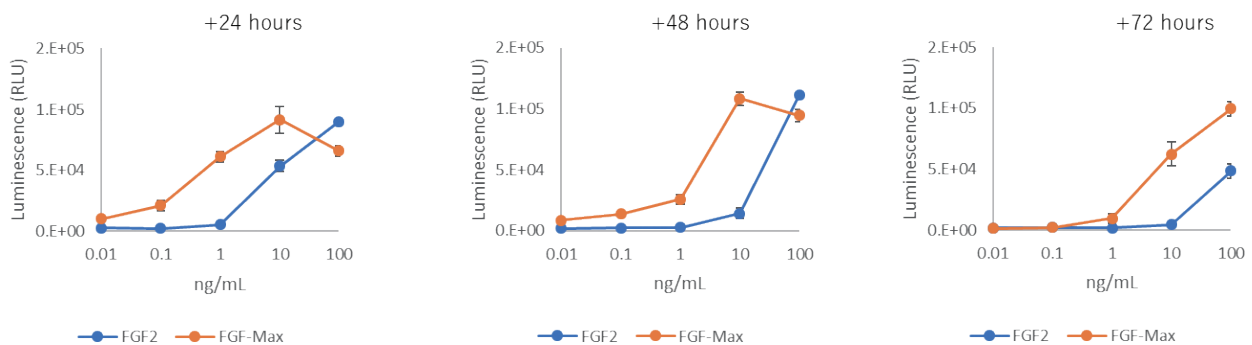
(Recombinant human FGF-1/FGF-2 chimera)

- High thermal stability
- Universal FGF receptor ligand



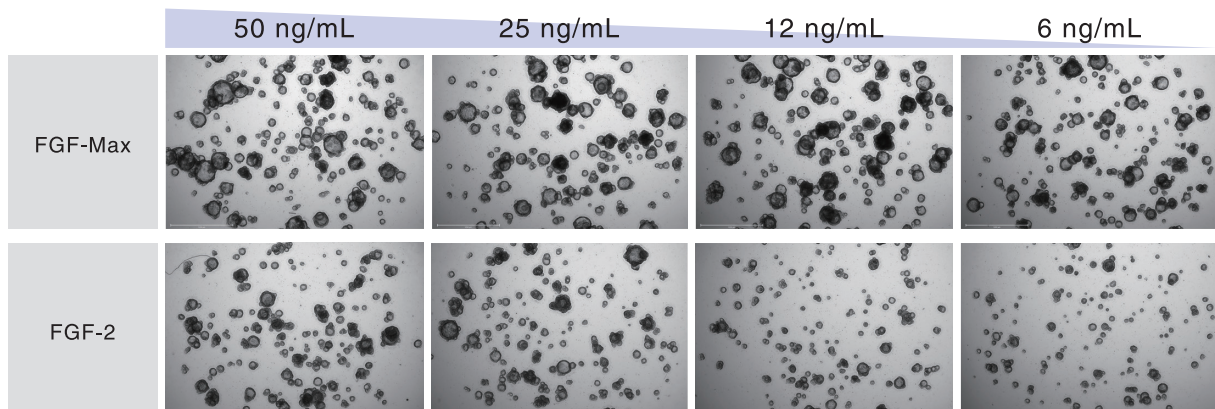
FGF-Max vs FGF-2

Thermal stability test the bioactivity was retained after 72 hours



After pre-incubation of FGF-Max and FGF-2 (commercially available product) at 37°C for 24, 48, and 72 hours, they were added to the cells for bio-activity assessment. The results suggested that FGF-Max retained higher bio-activity after pre-incubation compared to FGF-2 which also proves that FGF-Max has higher thermostability than FGF-2.

Human intestine organoid culture FGF-Max shows high proliferation

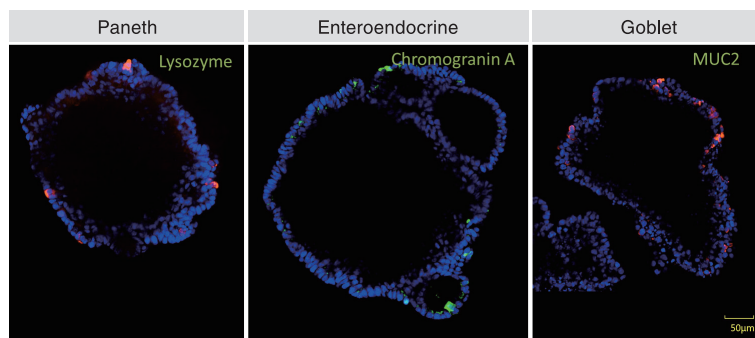


Human small intestinal organoids were cultured in the presence of FGF-Max and FGF-2 (commercially available product). It was suggested that proliferation of organoids is higher in the presence of FGF-Max than FGF-2.

Organoid culture examples

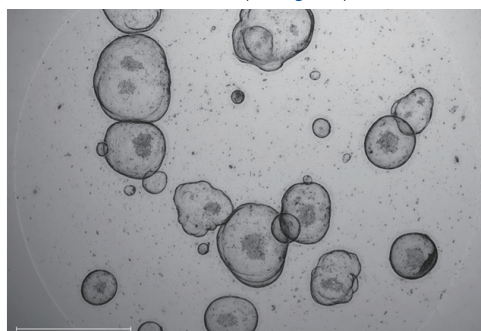
• Differentiation ability

Paneth cell, endocrine cell, and goblet cell markers of human small intestinal organoids cultured in the presence of FGF-Max (4 ng/mL) were stained. The presence of Paneth cells, and differentiated endocrine cells and goblet cells in organoids was confirmed.

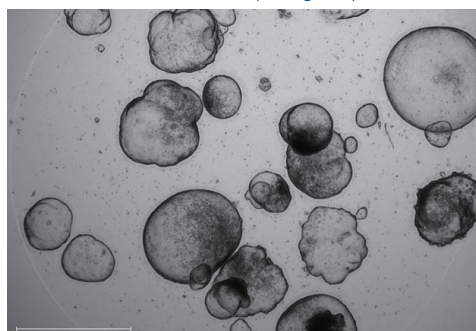


• Mouse stomach organoid culture (vs FGF-10)

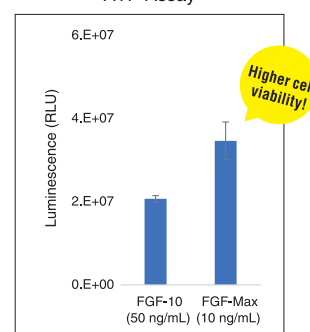
■ FGF-10 (50 ng/mL)



■ FGF-Max (10 ng/mL)

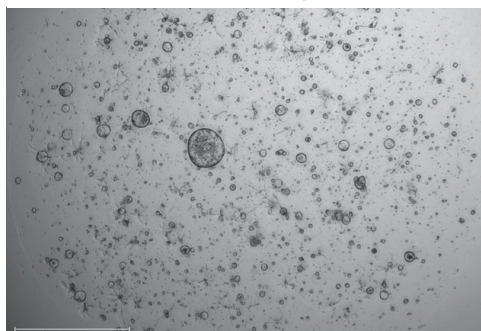


ATP Assay

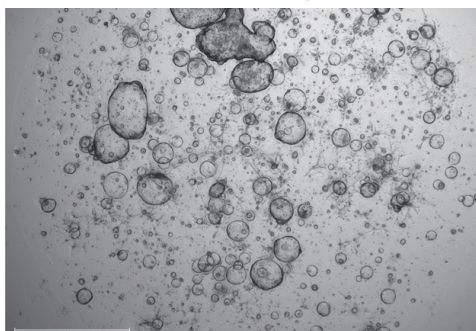


• Mouse pancreatic ductal organoid culture (vs FGF-10)

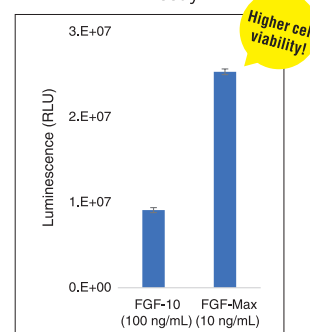
■ FGF-10 (100 ng/mL)



■ FGF-Max (10 ng/mL)



ATP Assay



Product Highlight

Code No.	Product name	Form	Size
J2-003	FGF-Max (Recombinant human FGF-1/FGF-2 chimera)	Lyophilized from 20 mM Tris-HCl (pH7.4) containing 0.5 M NaCl and 1% Trehalose.	50 µg

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.

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2022.11 154153-22111003N

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