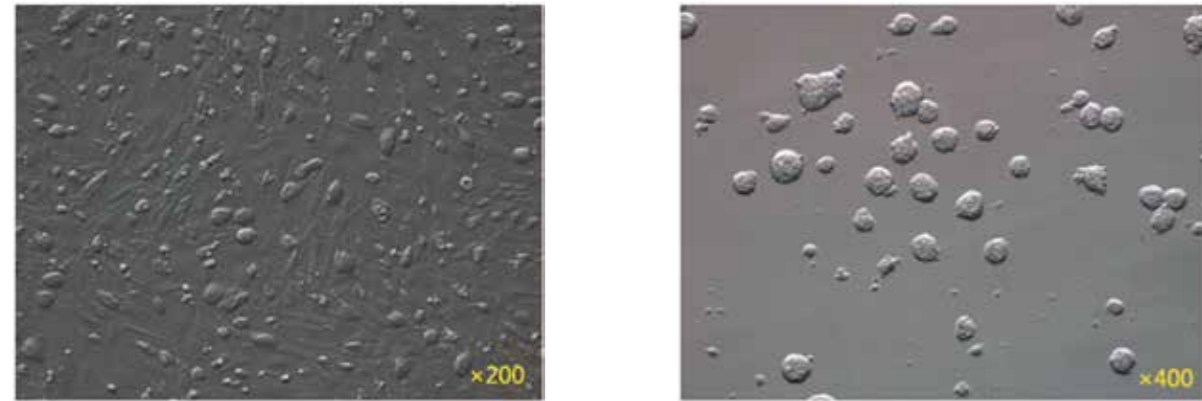


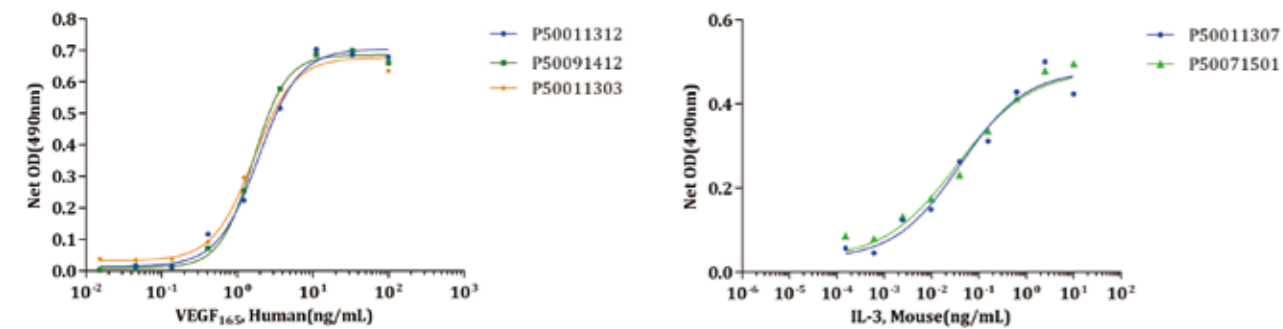
Fig.2D



Cultured mESC (left) and mNSC (right) by FGF-basic (154 aa), Human (Cat. No. Z03116) combined with LIF, Human (Cat. No. Z02681).

Excellent lot-to-lot consistency

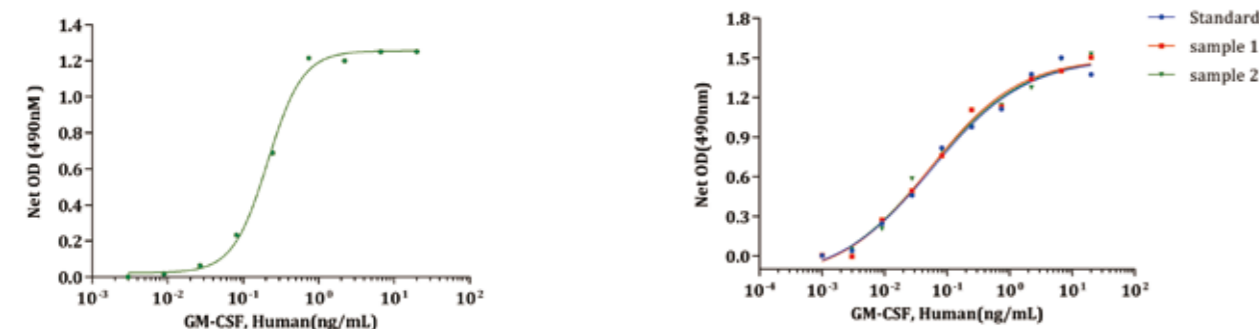
Fig.3



VEGF₁₆₅ Human (Cat. No. Z02689) and IL-3, Mouse (Cat. No. Z03111) showed almost the same ED₅₀ value between different lots.

High Quality (Stored at RT for 1 month)

Fig.4

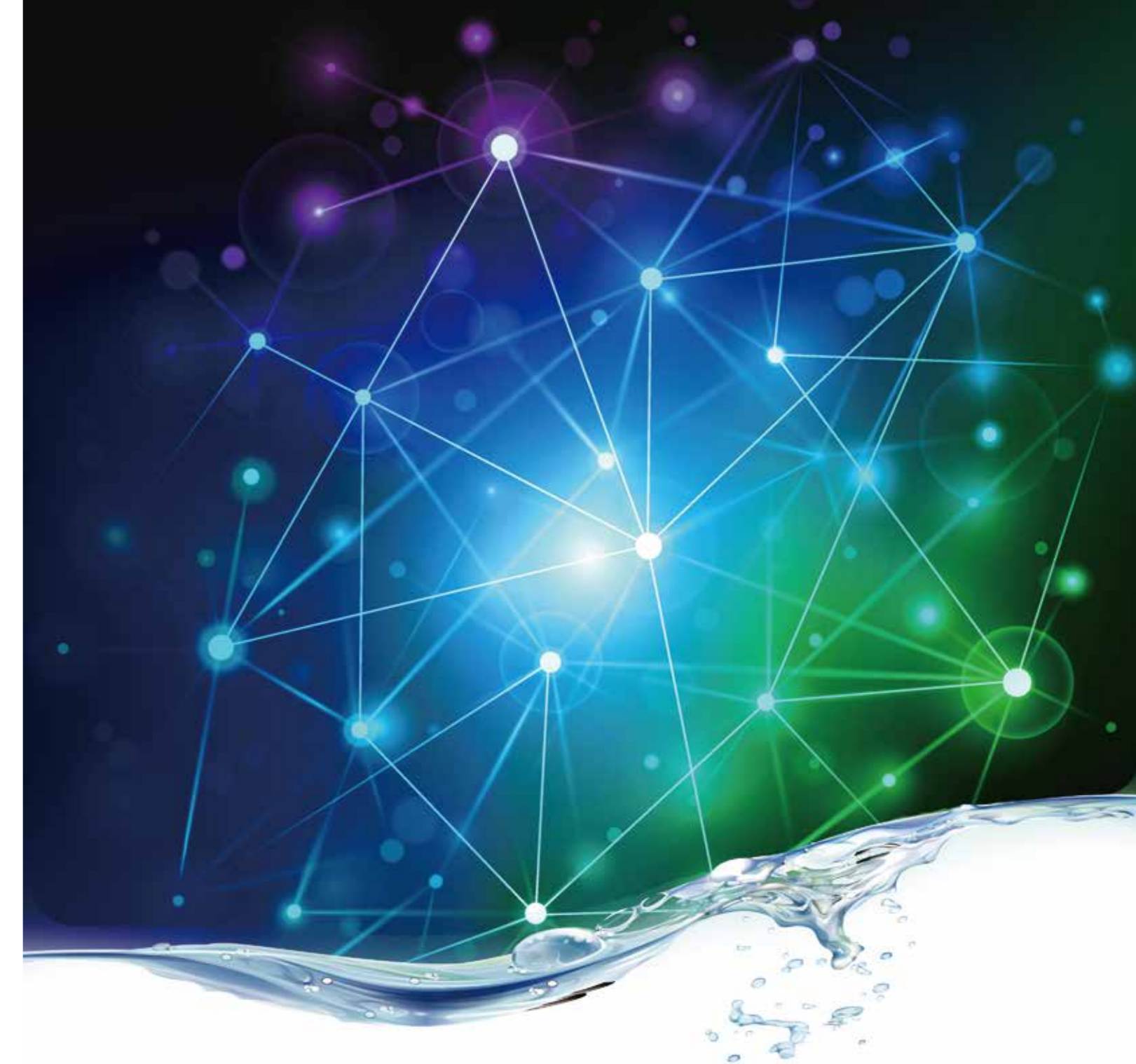


GM-CSF, Human (Cat. No. Z02695) stimulates cell proliferation of TF-1 cells. The ED₅₀ for this effect is less than 0.5 ng/mL.

Activity of GM-CSF, Human (Cat. No. Z02695). ED₅₀=0.11 ng/mL has no significant change after stored at room temperature for 1 month.

Citation

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- Moseychuk, O., Akkijaru, H., Dutta, J., *et al.* Inhibition of CK2 binding to BMPRIa induces C2C12 differentiation into osteoblasts and adipocytes. *Journal of cell communication and signaling*. 2013, 7(4):265-278. (BMP-2, Human, Cat. No. Z02913)



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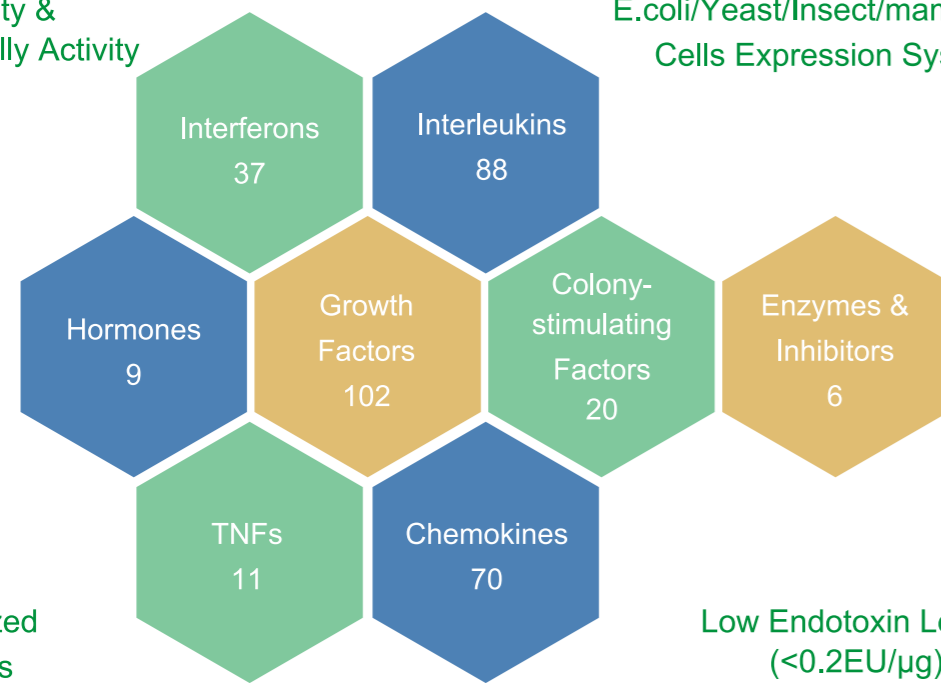
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Customized Quantities

Low Endotoxin Levels (<0.2EU/μg)



Featured Products

Cytokines & Growth Factors

Catalog	Name	Source
Z02913	BMP-2, Human	<i>E. coli</i>
Z00333	EGF, Human	<i>E. coli</i>
Z03066	EGF, Rat	<i>E. coli</i>
Z02975	EPO, Human	CHO
Z03011	FGF-18, Human	<i>E. coli</i>
Z03207	FGF-21, His, Human	CHO
Z03290	FGF-21, Mouse	<i>E. coli</i>
Z02980	G-CSF, Human	CHO
Z03012	GH, Human	<i>E. coli</i>
Z02983	GM-CSF, Human	CHO
Z02979	GM-CSF, Mouse	CHO
Z03003	IFN-α 2a, Human	<i>E. coli</i>
Z02986	IFN-γ, Human	CHO
Z02916	IFN-γ, Mouse	<i>E. coli</i>
Z03017	IGF-I, Human	<i>E. coli</i>
Z03169	IL-1 RA, Human	HEK 293
Z03121	IL-10, Human	CHO
Z03228	IL-17A, His, Human	CHO
Z02922	IL-1β, Human	<i>E. coli</i>
Z02988	IL-1β, Mouse	CHO

Catalog	Name	Source
Z02925	IL-4, Human	CHO
Z02996	IL-4, Mouse	CHO
Z02981	IL-5, Human	CHO
Z03262	IL-8 (77aa)/CXCL8, Human	<i>E. coli</i>
Z02971	IP-10/CXCL10, Human	<i>E. coli</i>
Z02924	M-CSF, Human	CHO
Z02930	M-CSF, Mouse	CHO
Z03010	M-CSF, Rat	CHO
Z02529	PDGF-BB, Human	<i>P. pastoris</i>
Z03096	PDGF-BB, Mouse	<i>E. coli</i>
Z02692	SCF, Human	<i>P. pastoris</i>
Z02997	SCF, Mouse	<i>P. pastoris</i>
Z03069	Shh (C24IV), Human	<i>E. coli</i>
Z03050	Shh (C25II), Mouse	<i>E. coli</i>
Z02684	TNF-α, His, Mouse	<i>E. coli</i>
Z01001	TNF-α, Human	<i>E. coli</i>
Z03133	TWEAK, Human	CHO
Z02690	VEGF164, Mouse	<i>P. pastoris</i>
Z02689	VEGF165, Human	<i>P. pastoris</i>
Z03073	VEGF165, Human	HEK 293

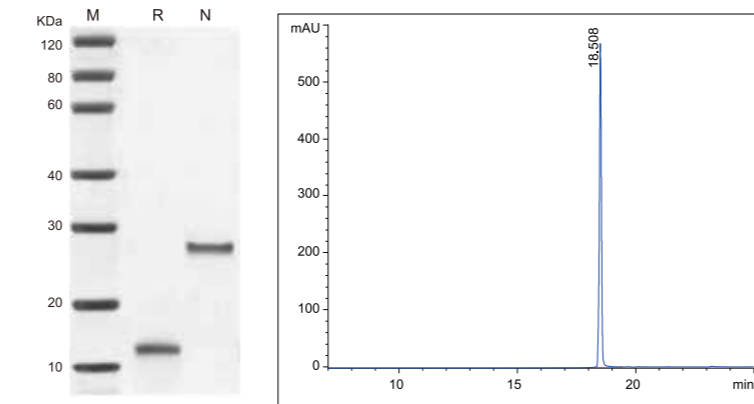
Enzymes

Catalog	Name	Source
Z03004	Enterokinase, His, Bovine	<i>P. pastoris</i>
Z03376	Enterokinase, His, Bovine (Lyophilized)	<i>P. pastoris</i>
Z01003	Enterokinase, His, Porcine	<i>P. pastoris</i>
Z02199	Enterokinase, His, Porcine (Lyophilized)	<i>P. pastoris</i>

Catalog	Name	Source
Z02799	3C protease, GST	<i>E. coli</i>
Z03092	3C protease, His	<i>E. coli</i>
Z02798	TEV Protease, GST	<i>E. coli</i>
Z03030	TEV Protease, His	<i>E. coli</i>

High Purity

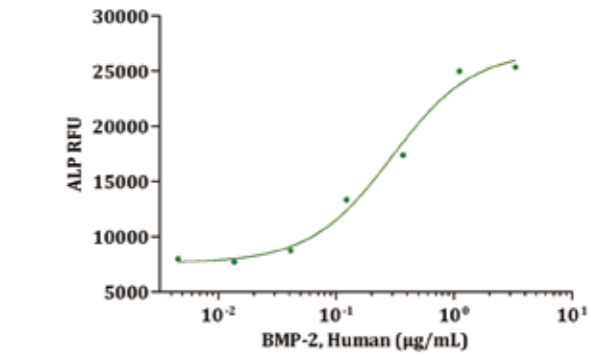
Fig.1



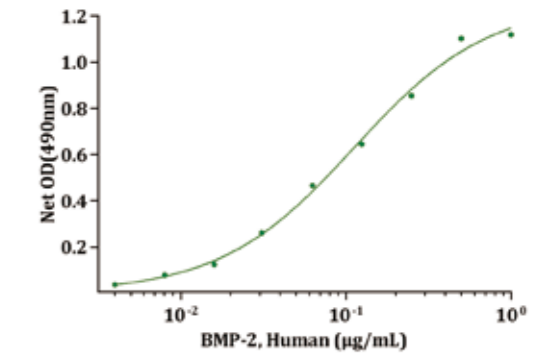
2 μg of BMP-2, Human (Cat. No. Z02913) was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions and visualized by Coomassie Blue staining (Left). The purity is > 98% determined by RP-HPLC (Right)

High Activity

Fig.2A

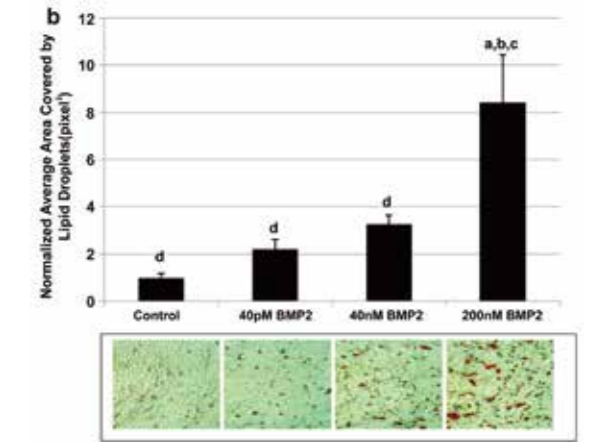
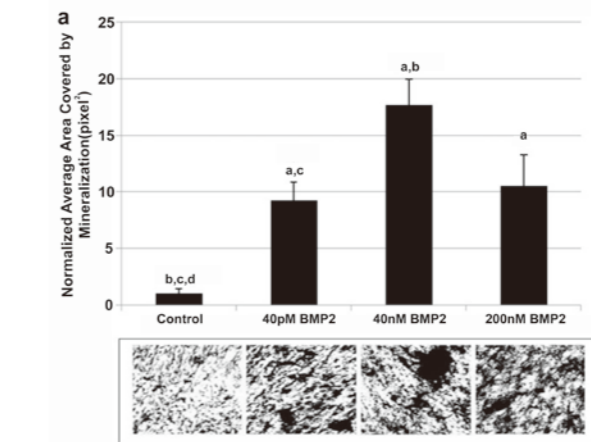


BMP-2, Human (Cat. No. Z02913) induce alkaline phosphatase production by C2C12 cells. The ED₅₀ for this effect is typically 0.10-0.80 μg/mL.



BMP-2, Human (Cat. No. Z02913) induce alkaline phosphatase production by ATDC5 cells. The ED₅₀ for this effect is typically 0.07-0.20 μg/mL.

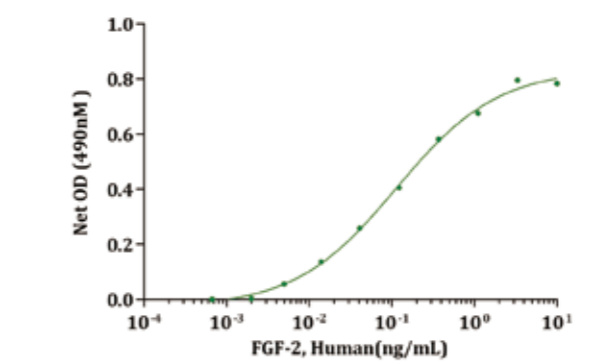
Fig.2B*



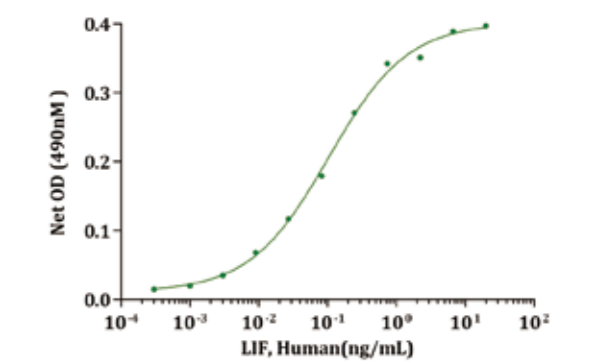
C2C12 cells were treated equally between experiments with 40 pM, 40 nM and 200 nM of BMP2. Mineral deposits and lipid droplet formation were used as defined end points to describe osteoblastic or adipogenic phenotypes, respectively. BMP2 induced osteogenesis independent of concentration(a) and adipogenesis(b).

*The data is from a customer's paper.^[10]

Fig.2C



FGF-basic (154 aa), Human (Cat. No. Z03116) stimulates cell proliferation of Balb/3T3 cells. The ED₅₀ for this effect is 0.1 ng/mL



LIF, Human (Cat. No. Z02681) stimulates cell proliferation of TF-1 cells. The ED₅₀ for this effect is 0.09 ng/mL.