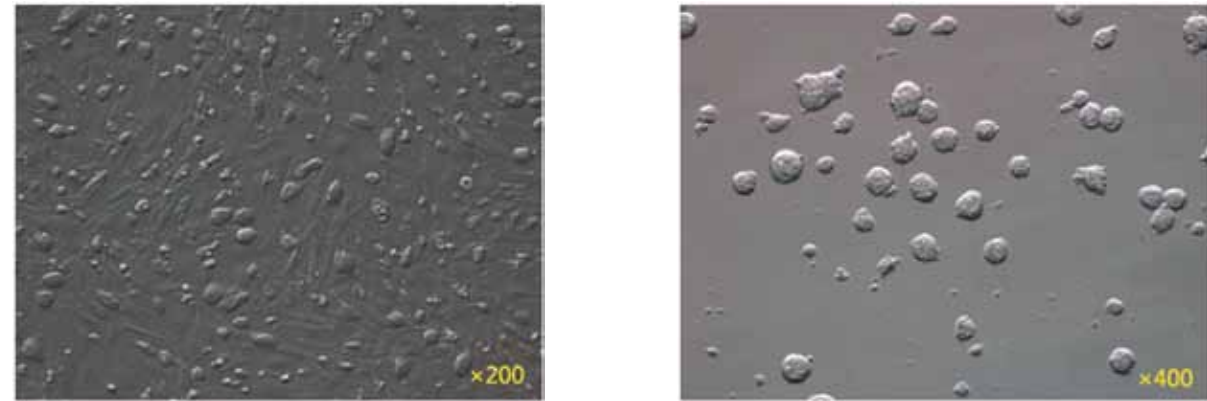


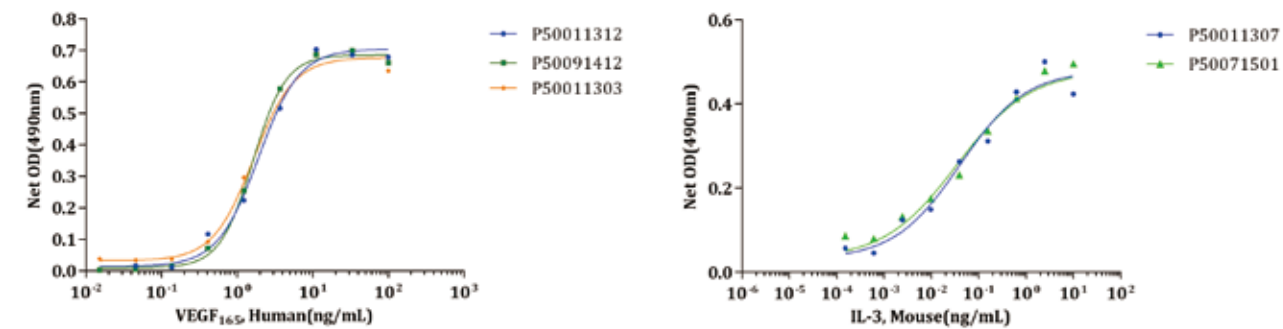
Fig.2D



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

### 高稳定性

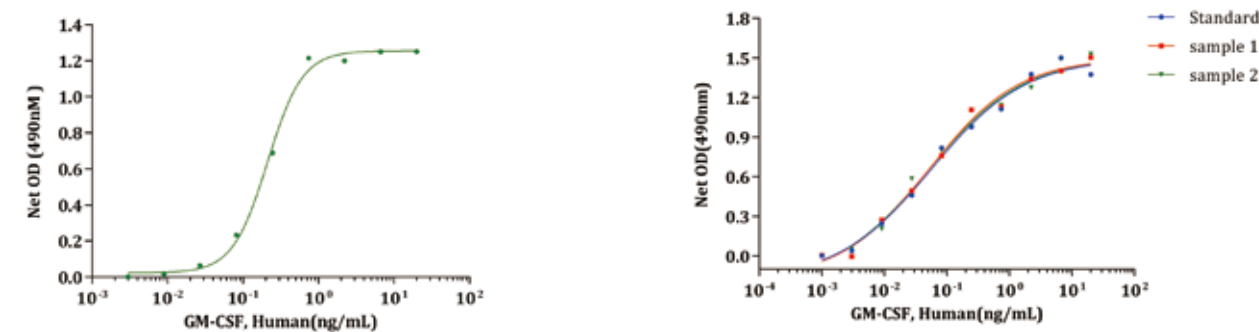
Fig.3



VEGF<sub>165</sub> Human (Cat. No. Z02689) and IL-3, Mouse (Cat. No. Z03111) showed almost the same ED<sub>50</sub> value between different lots.

### 高品质 (室温放置1个月)

Fig.4



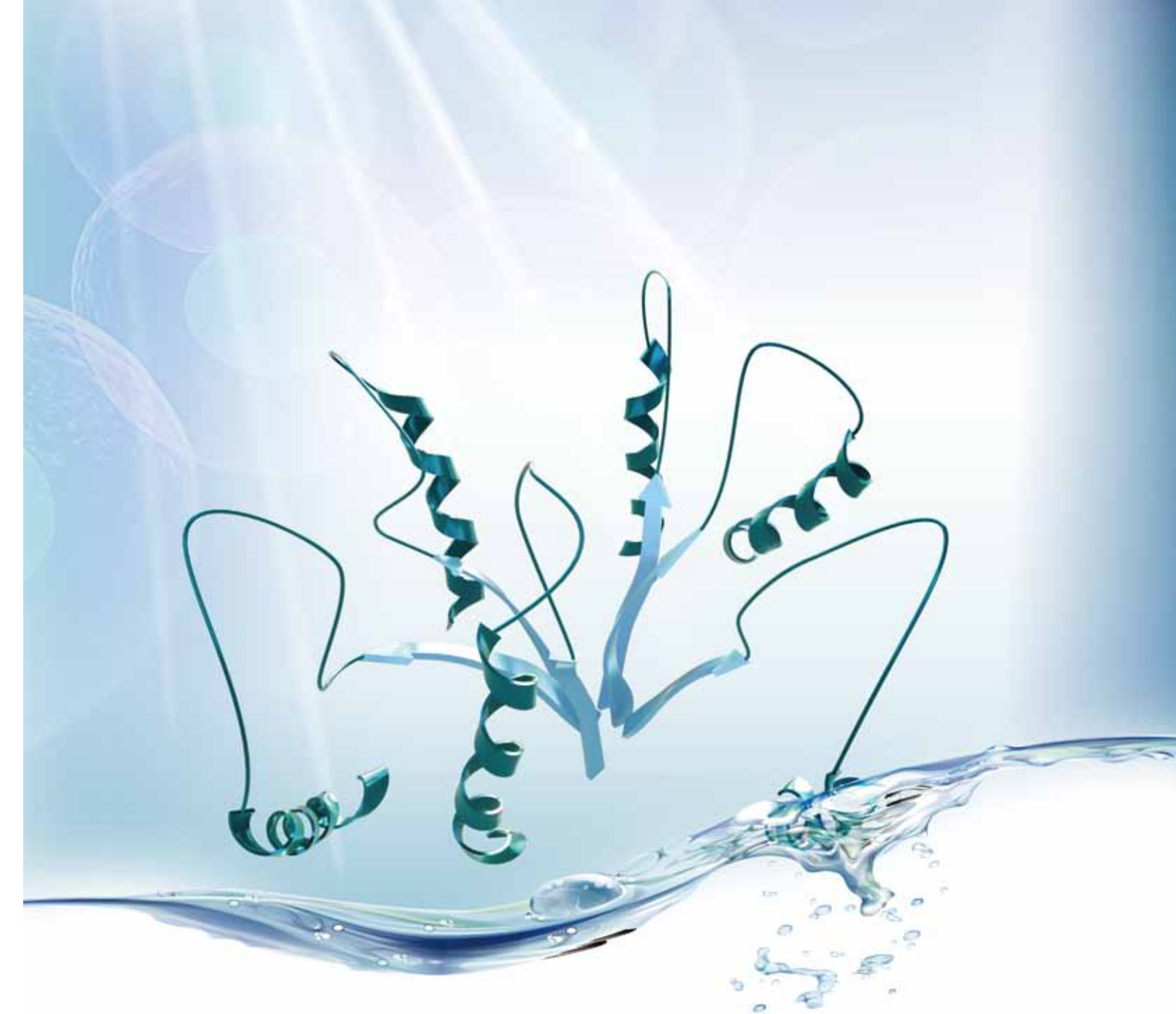
GM-CSF, Human (Cat. No. Z02695) stimulates cell proliferation of TF-1 cells. The ED<sub>50</sub> for this effect is less than 0.5 ng/mL.

Activity of GM-CSF, Human (Cat. No. Z02695). ED<sub>50</sub>=0.11 ng/mL) has no significant change after stored at room temperature for 1 month.

### 客户发表文章

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- Sullivan LC1, Clements CS, Beddoe T, *et al.* The heterodimeric assembly of the CD94-NKG2 receptor family and implications for human leukocyte antigen-E recognition. *Immunity*. 2007, 27(6):900-11. **IF:19.795** (Enterokinase, His, Bovine, Cat. No. Z03004)
- Pang SS, Berry R, Chen Z, *et al.* The structural basis for autonomous dimerization of the pre-T-cell antigen receptor. *Nature*. 2010, 467(7317):844-8. **IF:38.597** (Enterokinase, Porcine, Cat. No. Z02199)
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- Glen F. Deleavey, Jonathan K. Watts, Tommy Alain, *et al.* Synergistic effects between analogs of DNA and RNA improve the potency of siRNA-mediated gene silencing. *Nucleic acids research*. 2010, 38(13):4547-57. **IF:8.278** (IFN- $\alpha$  2b, Human, Cat. No. Z03002)
- Sirois M, Robitaille L, Allary R, *et al.* Traf6 And Irf7 Control Hiv Replication In Macrophages. *PLoS One*. 2011, 6(11):e28125. **IF:3.7** (M-CSF, Human, CHO-expressed, Cat. No. Z02924)
- Gao X, Wan F, Mateo K, *et al.* Bacterial effector binding to ribosomal protein s3 subverts NF- $\kappa$ B function. *PLoS pathogens*. 2009, 5(12):e1000708. **IF:8.136** (TNF- $\alpha$ , Mouse, *P. pastoris*-expressed, Cat. No. Z02918)
- Wang Y, Thomson CA, Allan LL, *et al.* Characterization of pathogenic human monoclonal autoantibodies against GM-CSF. *Proceedings of the National Academy of Sciences of the United States of America*. 2013, 110(19):7832-7. **IF:9.737** (GM-CSF, Human, Cat. No. Z00349)
- Bouchlaka MN, Sckisel GD, Chen M, *et al.* Aging predisposes to acute inflammatory induced pathology after tumor immunotherapy. *The Journal of experimental medicine*. 2013, 210(11):2223-37. **IF:13.214** (GM-CSF, Human, Cat. No. Z00349)
- Moseychuk, O., Akkiraju, 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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高稳定性、高品质  
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定制化大包装

超低的内毒素  
( $<0.2\text{EU}/\mu\text{g}$ )



### 部分热销产品目录

#### 细胞因子和生长因子

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- $\alpha$ 2a, Human	<i>E. coli</i>
Z02986	IFN- $\gamma$ , Human	CHO
Z02916	IFN- $\gamma$ , 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-1 $\beta$ , Human	<i>E. coli</i>
Z02988	IL-1 $\beta$ , 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- $\alpha$ , His, Mouse	<i>E. coli</i>
Z01001	TNF- $\alpha$ , 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

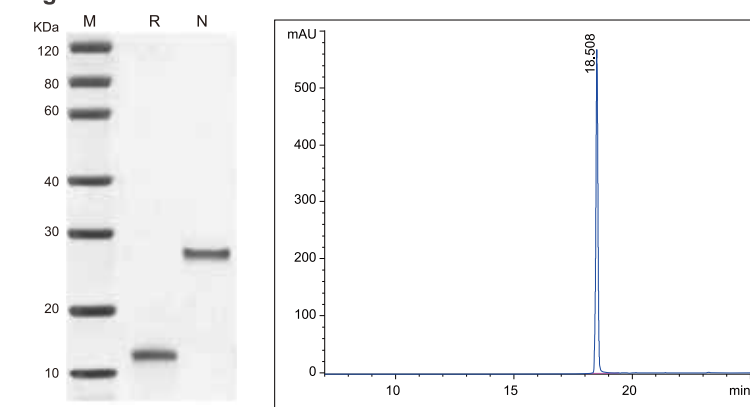
#### 工具酶

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>

### 高纯度

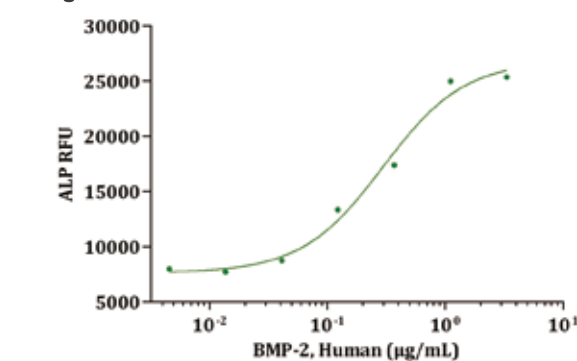
Fig.1



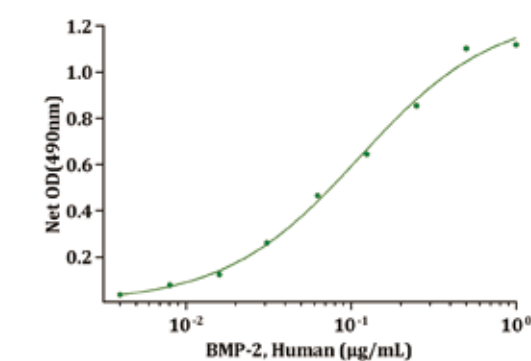
2  $\mu\text{g}$  of BMP-2, Human (Cat. No. Z02913) was resolved with SDS-PAGE under reducing (R) and non-reducing (N) conditions and visualized by Coomassie Blue staining (Left). The purity is  $>98\%$  determined by RP-HPLC (Right)

### 高活性

Fig.2A

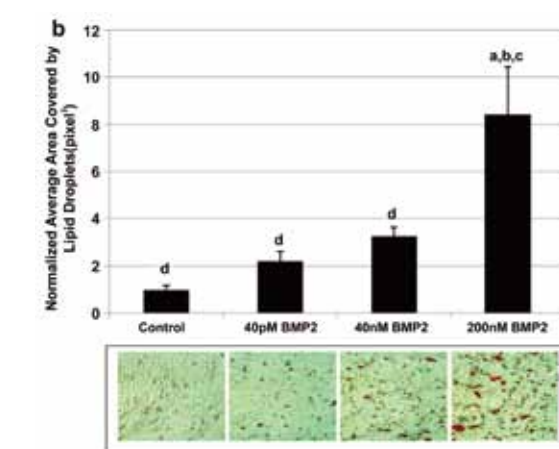
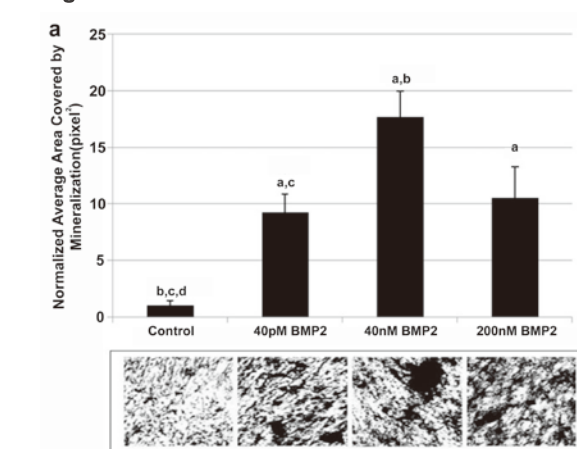


BMP-2, Human (Cat. No. Z02913) induce alkaline phosphatase production by C2C12 cells. The  $\text{ED}_{50}$  for this effect is typically 0.10-0.80  $\mu\text{g}/\text{mL}$ .



BMP-2, Human (Cat. No. Z02913) induce alkaline phosphatase production by ATDC5 cells. The  $\text{ED}_{50}$  for this effect is typically 0.07-0.20  $\mu\text{g}/\text{mL}$ .

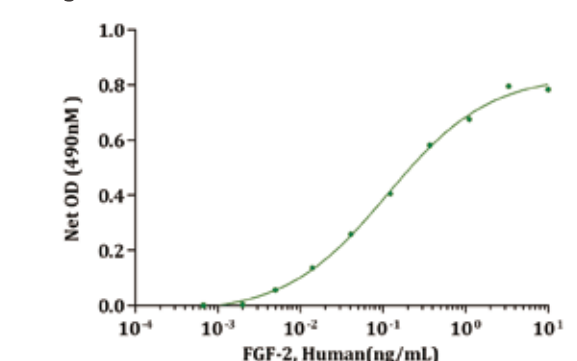
Fig.2B\*



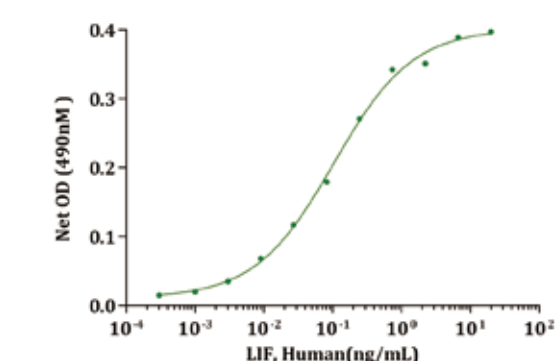
C2C12 cells were treated equally between experiments with 40 pM, 40 nM and 200 nM of BMP2. Mineral deposits and lipid droplet formation were used as defined end points to describe osteoblastic or adipogenic phenotypes, respectively. BMP2 induced osteogenesis independent of concentration(a) and adipogenesis(b).

\*数据摘自金斯瑞客户发表的文章<sup>[10]</sup>

Fig.2C



FGF-basic (154 aa), Human (Cat. No. Z03116) stimulates cell proliferation of Balb/3T3 cells. The  $\text{ED}_{50}$  for this effect is 0.1 ng/mL



LIF, Human (Cat. No. Z02681) stimulates cell proliferation of TF-1 cells. The  $\text{ED}_{50}$  for this effect is 0.09 ng/mL.