Fig. 1

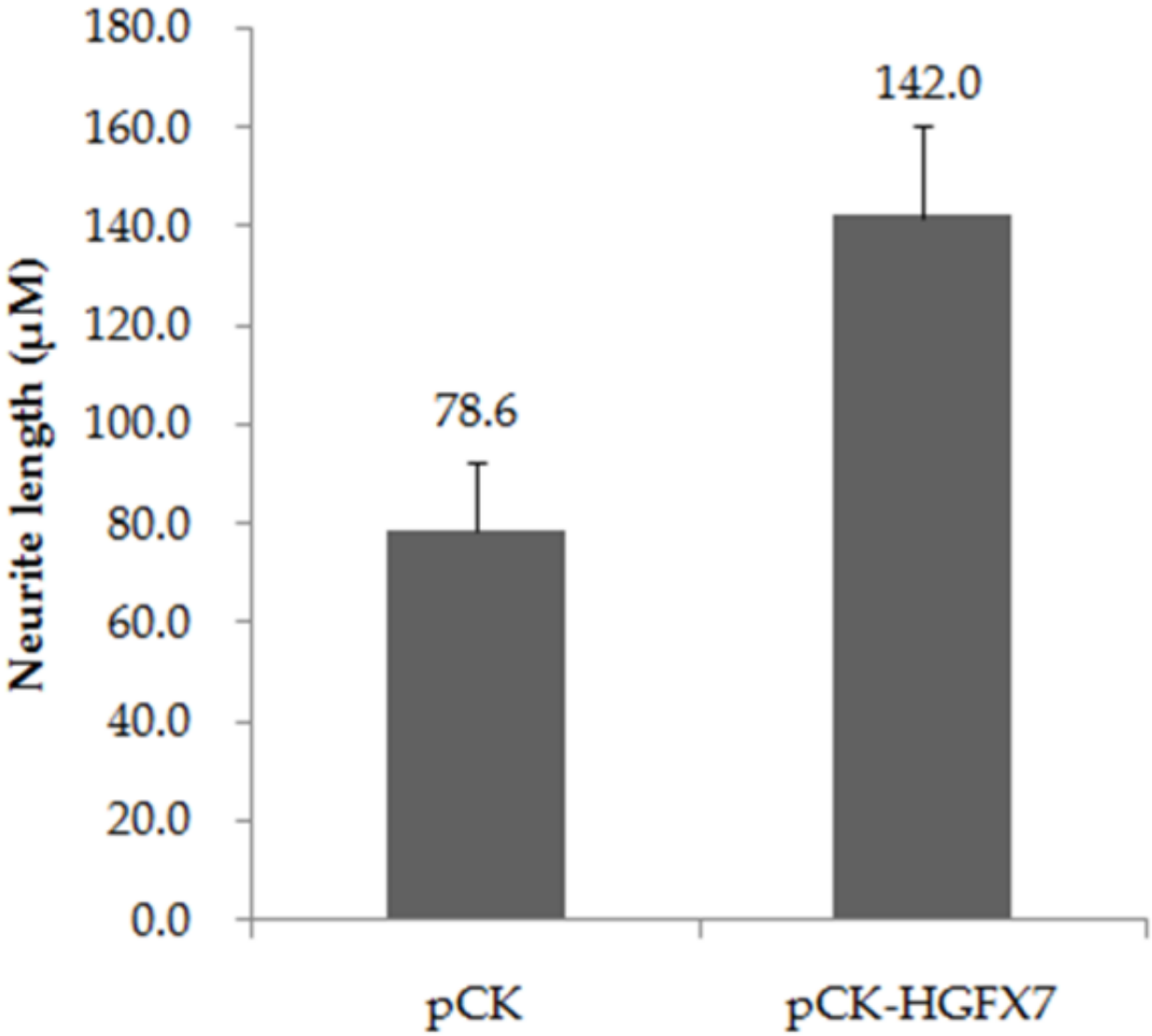

180.0
160.0
140.0
120.0
100.0
80.0
60.0
40.0
20.0
0.0
Neurite length (μM)
78.6
142.0
pCK
pCK-HGFX7

Fig. 2

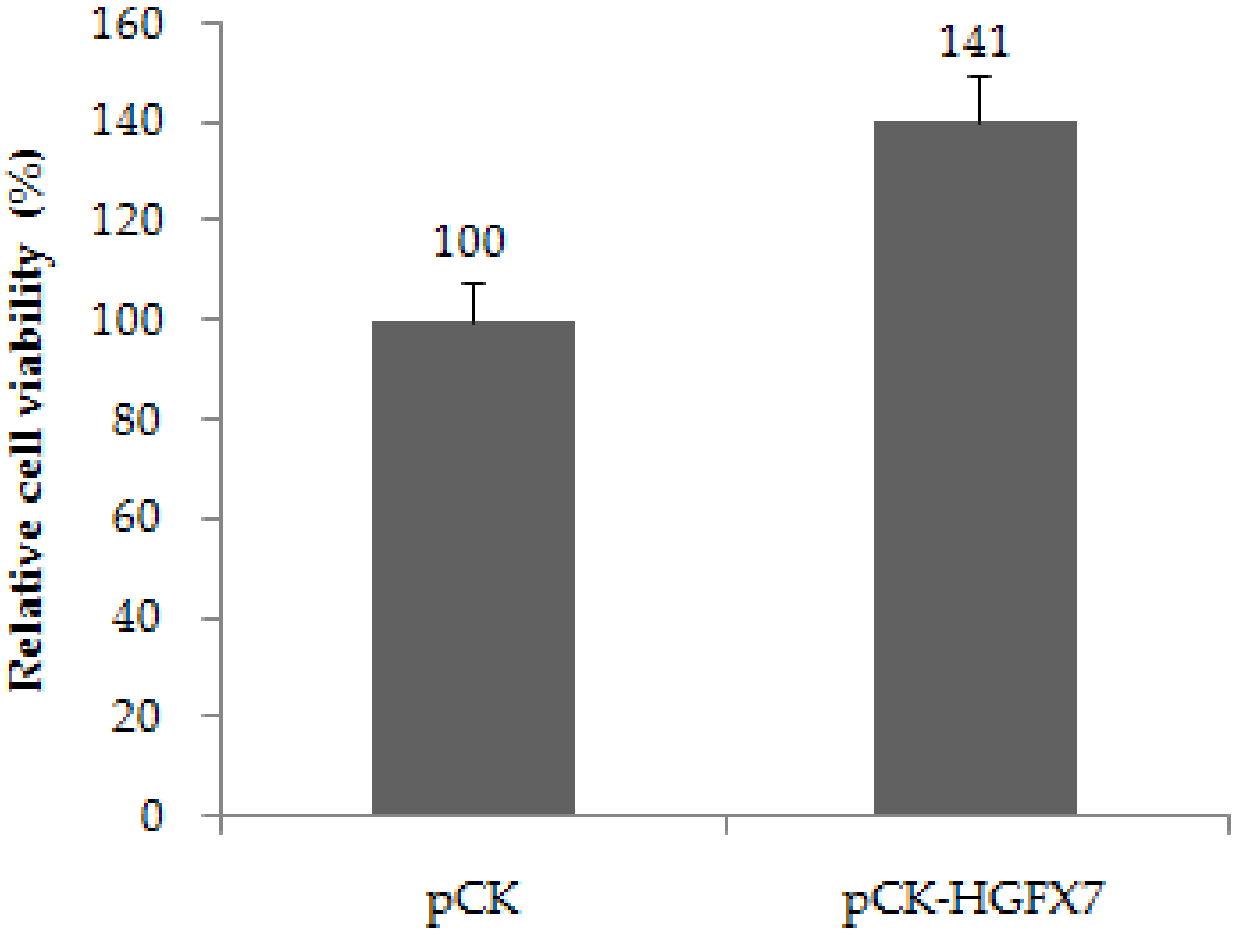

Relative cell viability (%)
160
140
120
100
80
60
40
20
0
100
141
pCK
pCK-HGFX7

Fig. 3

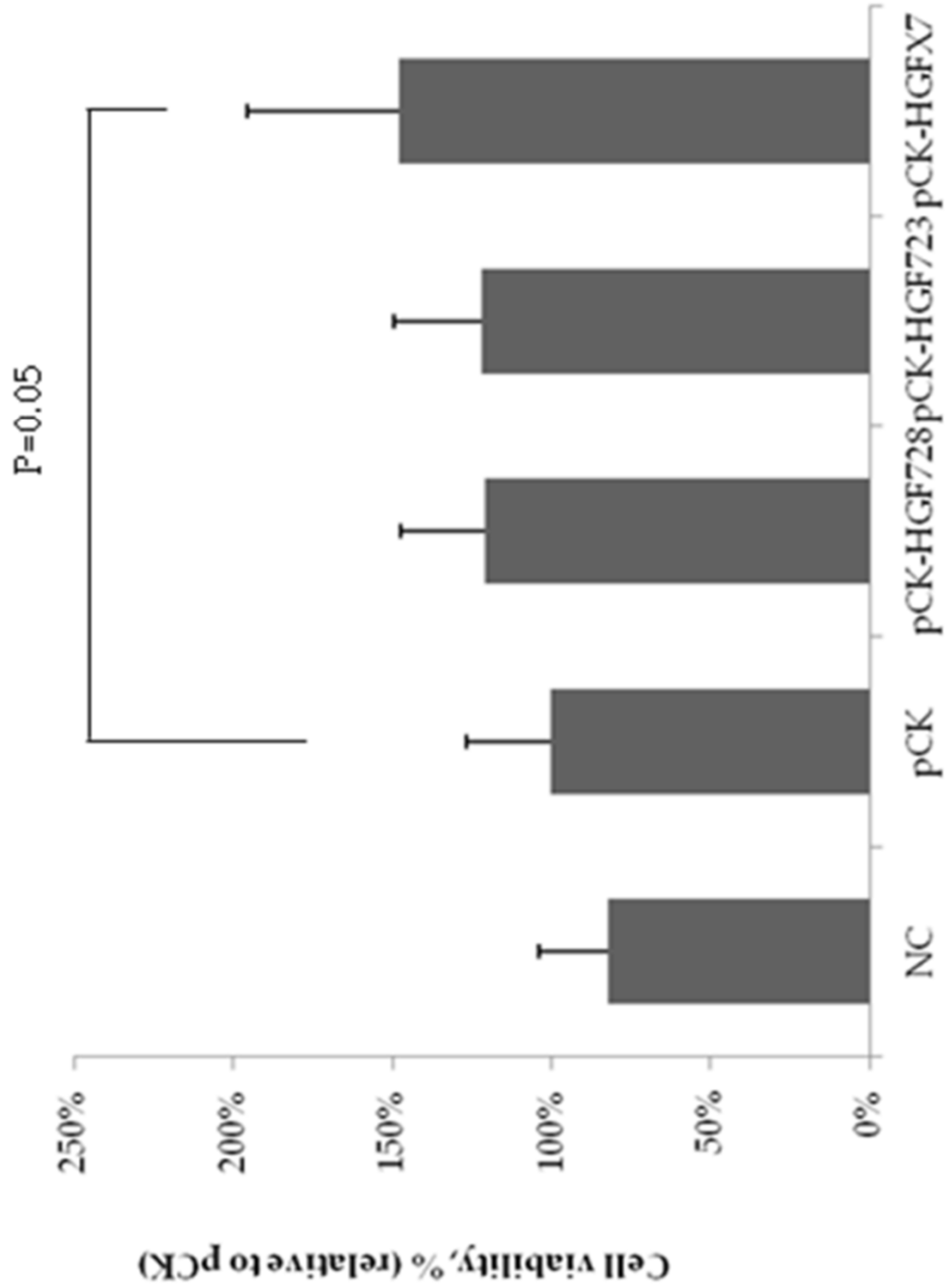

Cell viability, % (relative to pCK)
250%
200%
150%
100%
50%
0%
NC
pCK
pCK-HGF728
pCK-HGF723
pCK-HGFX7
P=0.05

Fig. 4a

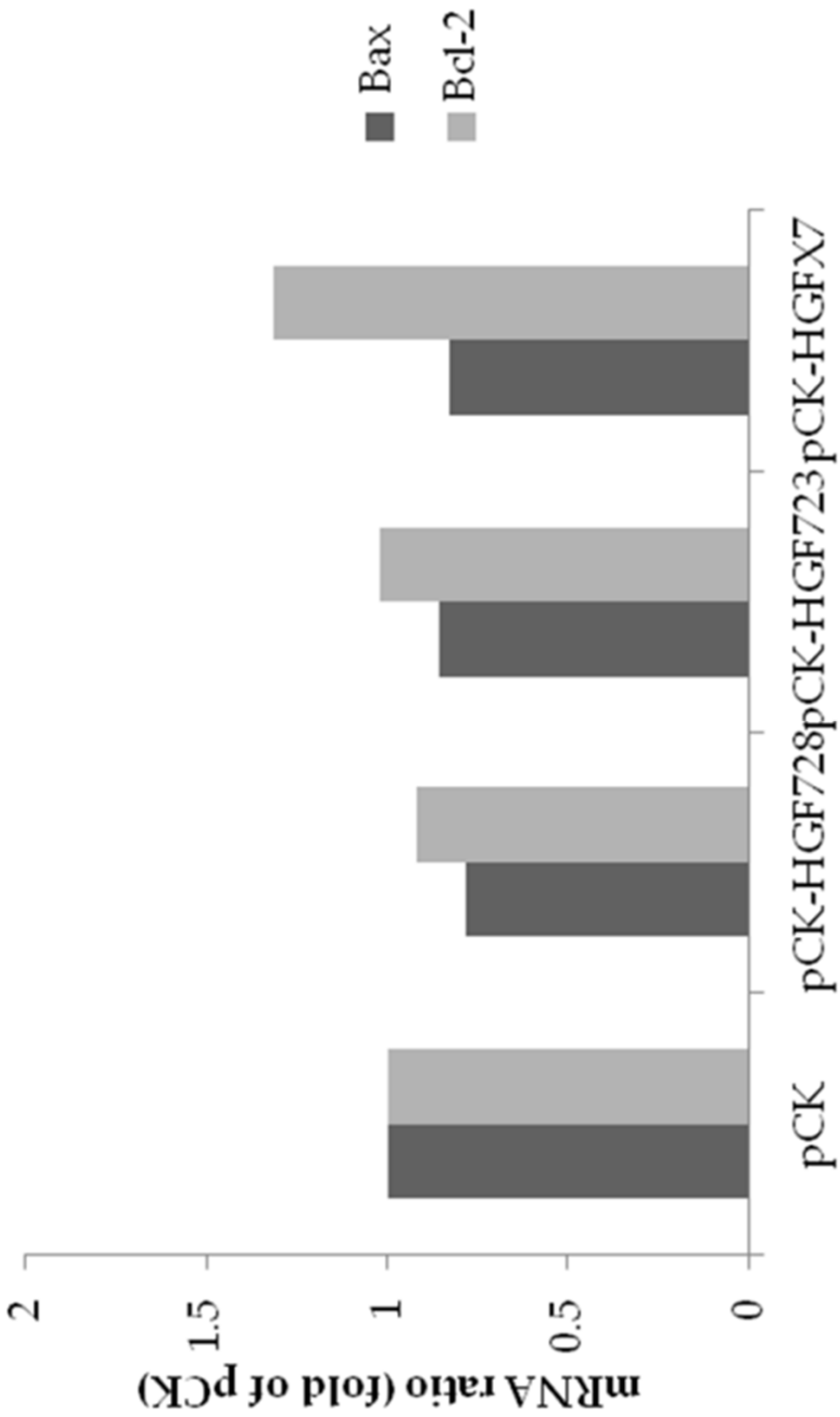

Bax
Bcl-2
mRNA ratio (fold of pCK)
0
0.5
1
1.5
2
pCK
pCK-HGF728
pCK-HGF723
pCK-HGFX7

Fig. 4b

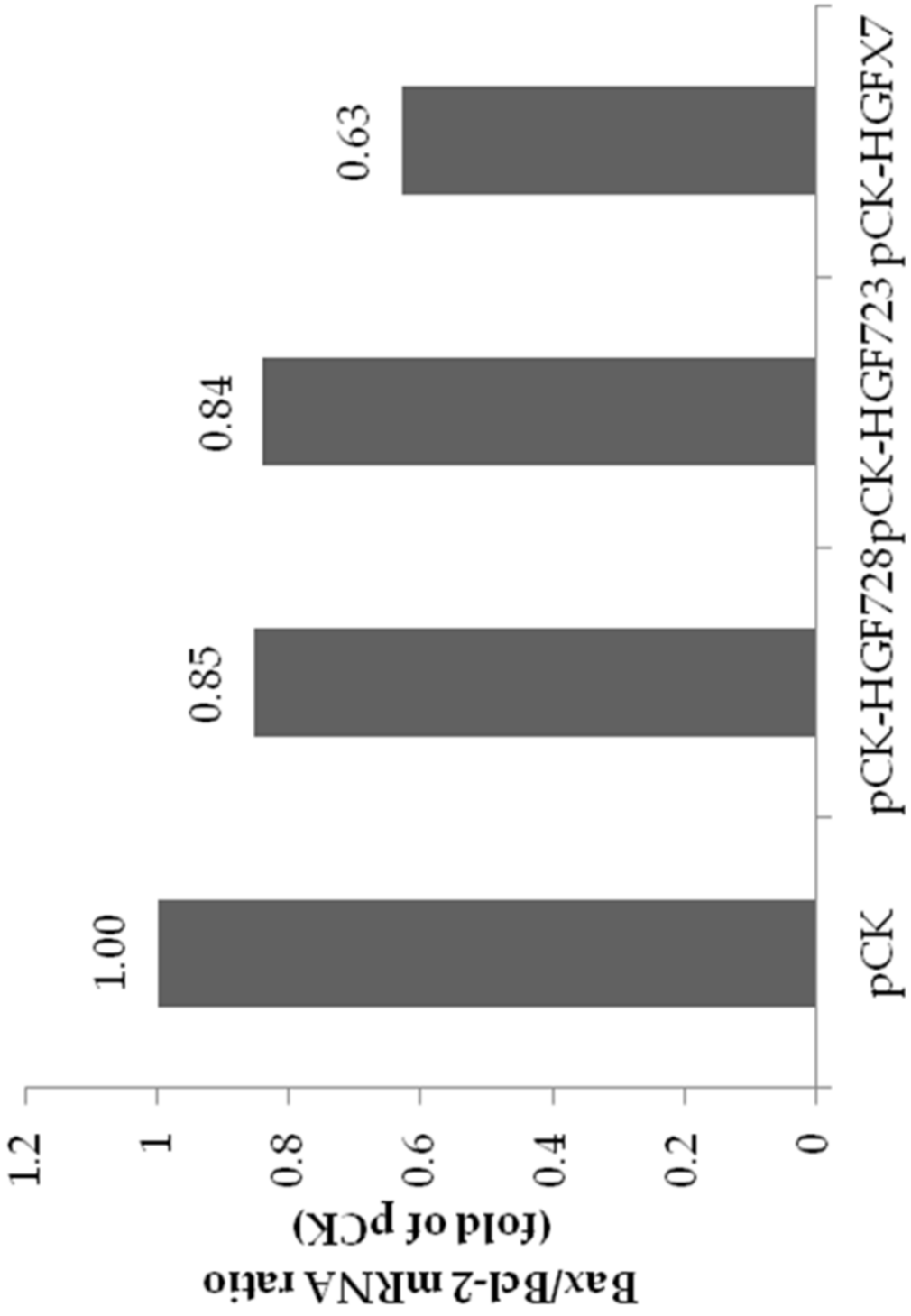

Bax/Bcl-2 mRNA ratio
(fold of pCK)
1.2
1
0.8
0.6
0.4
0.2
0
1.00
0.85
0.84
0.63
pCK
pCK-HGF728
pCK-HGF723
pCK-HGFX7

Fig. 5

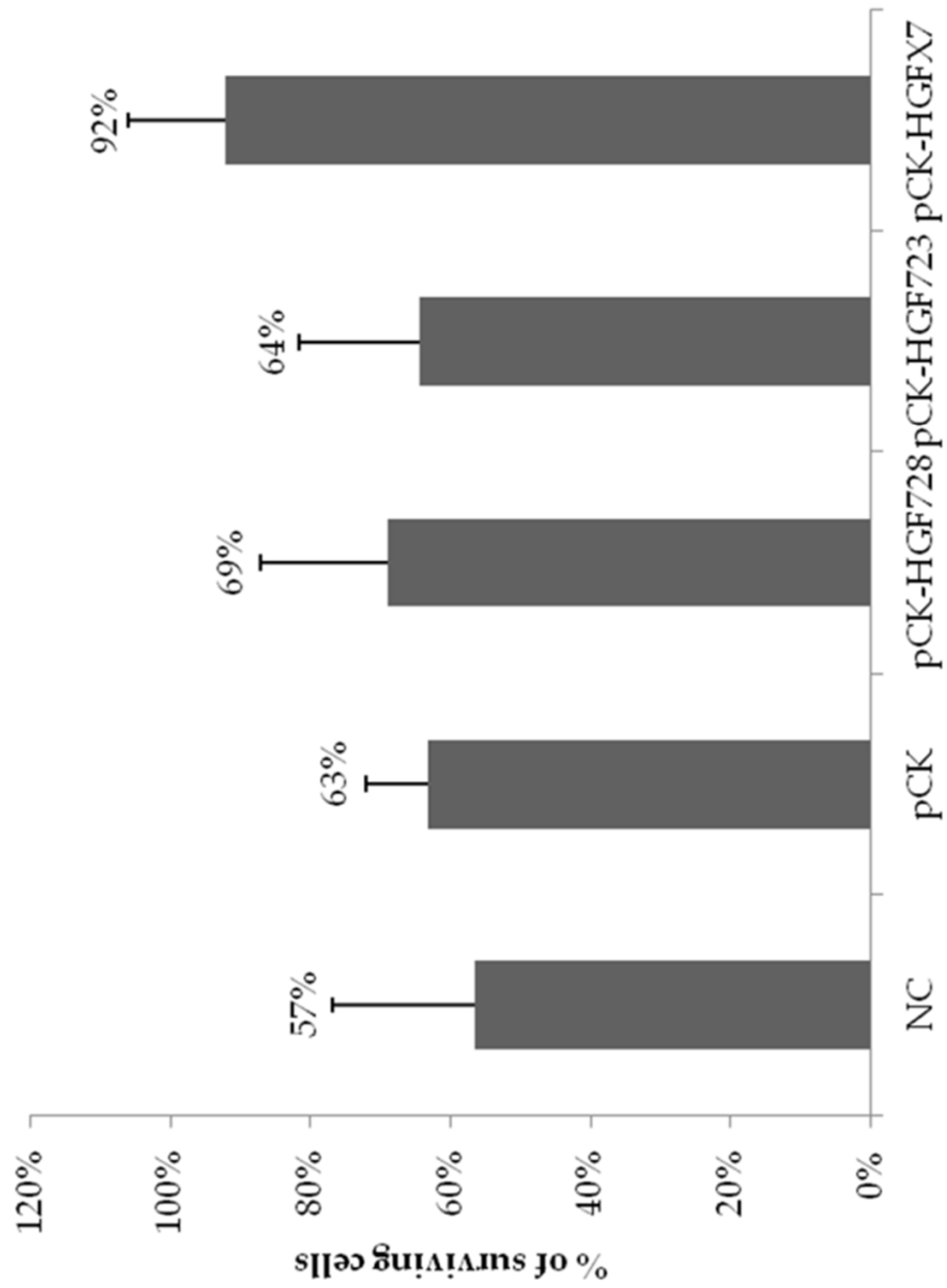

% of surviving cells
120%
100%
80%
60%
40%
20%
0%
57%
63%
69%
64%
92%
NC
pCK
pCK-HGF728
pCK-HGF723
pCK-HGFX7

Fig. 6a

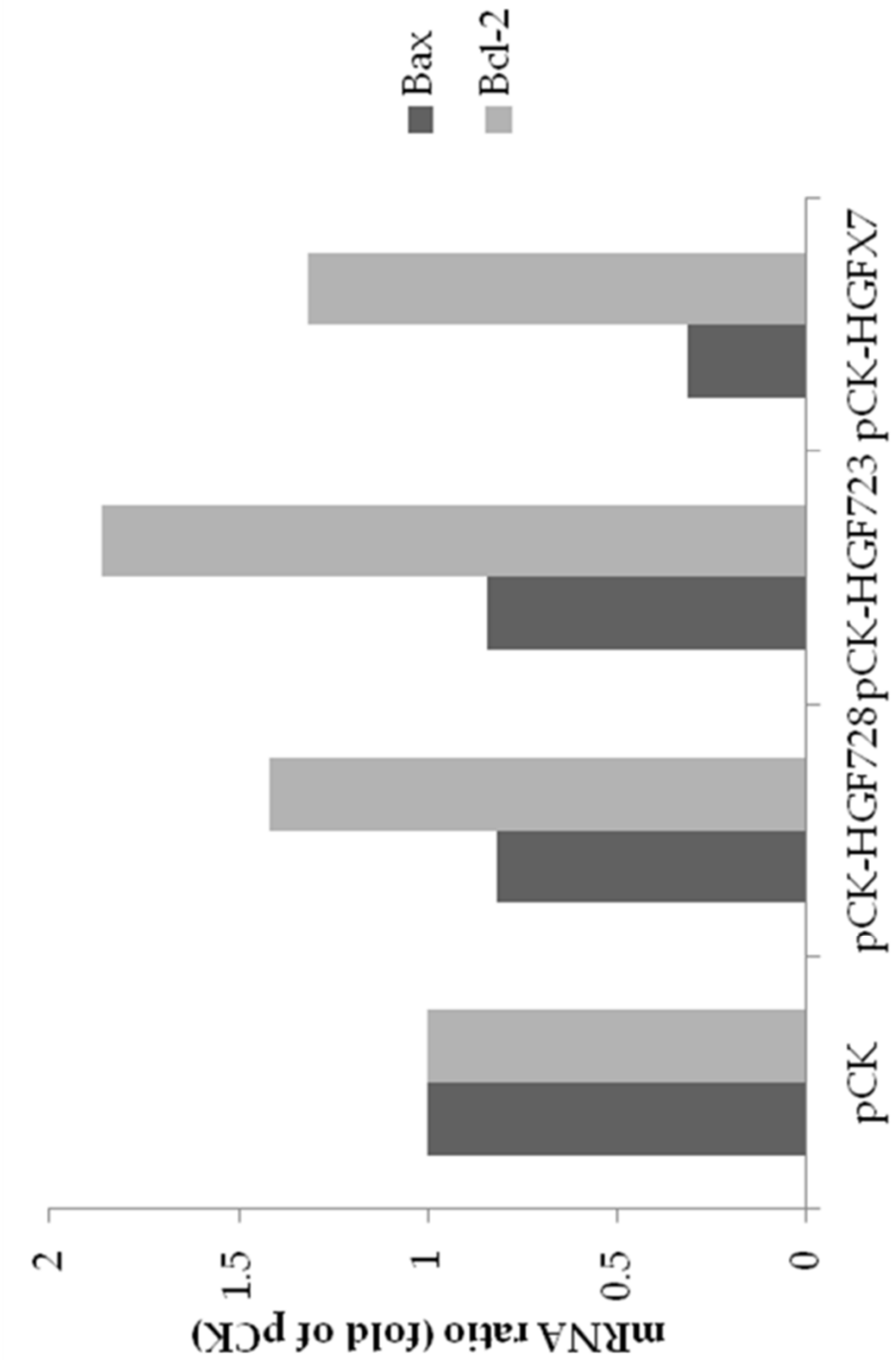

Bax
Bcl-2
mRNA ratio (fold of pCK)
0
0.5
1
1.5
2
pCK
pCK-HGF728
pCK-HGF723
pCK-HGFX7

Fig. 6b

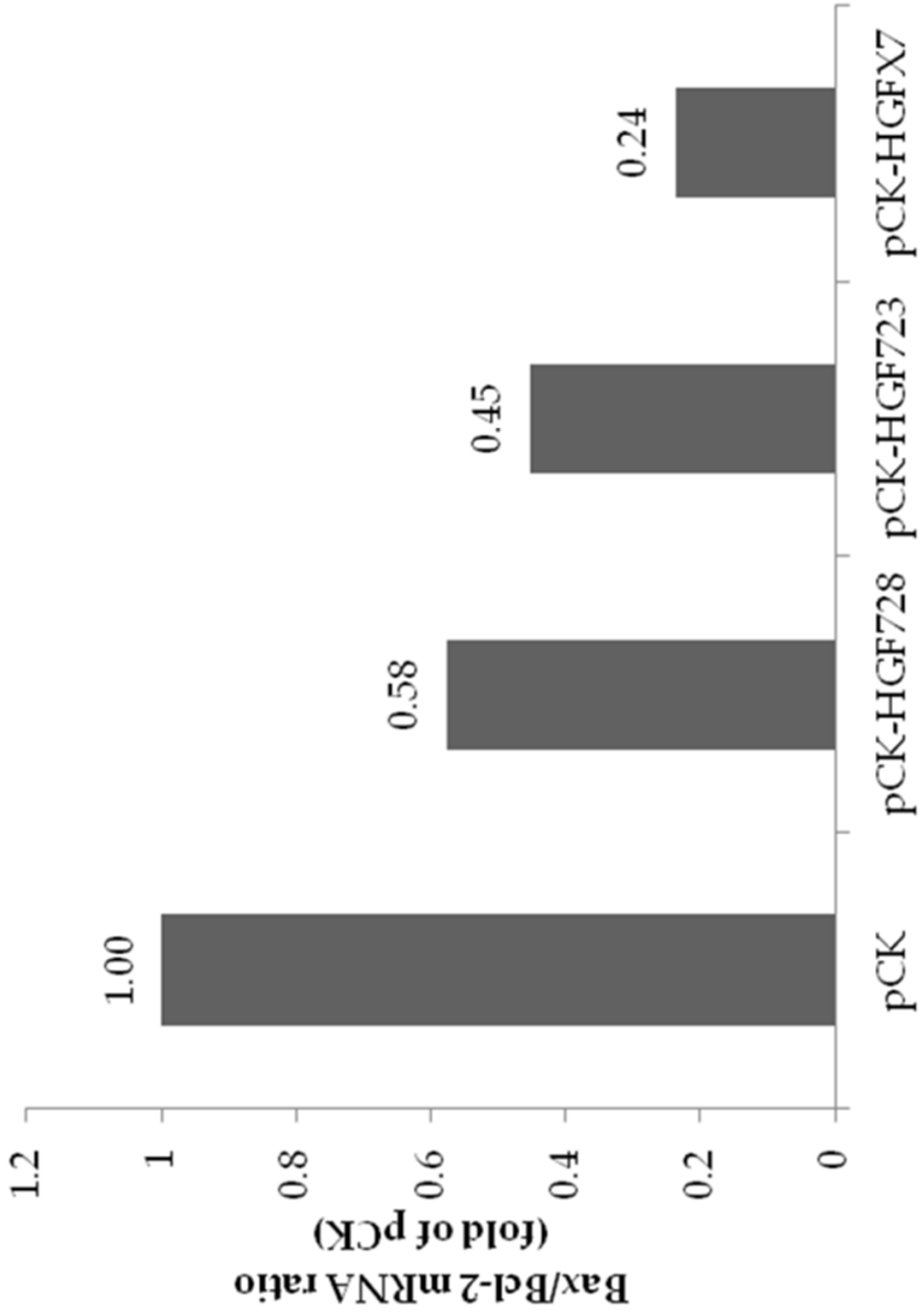

Bax/Bcl-2 mRNA ratio
(fold of pCK)
1.2
1
0.8
0.6
0.4
0.2
0
1.00
0.58
0.45
0.24
pCK
pCK-HGF728
pCK-HGF723
pCK-HGFX7

Fig. 7

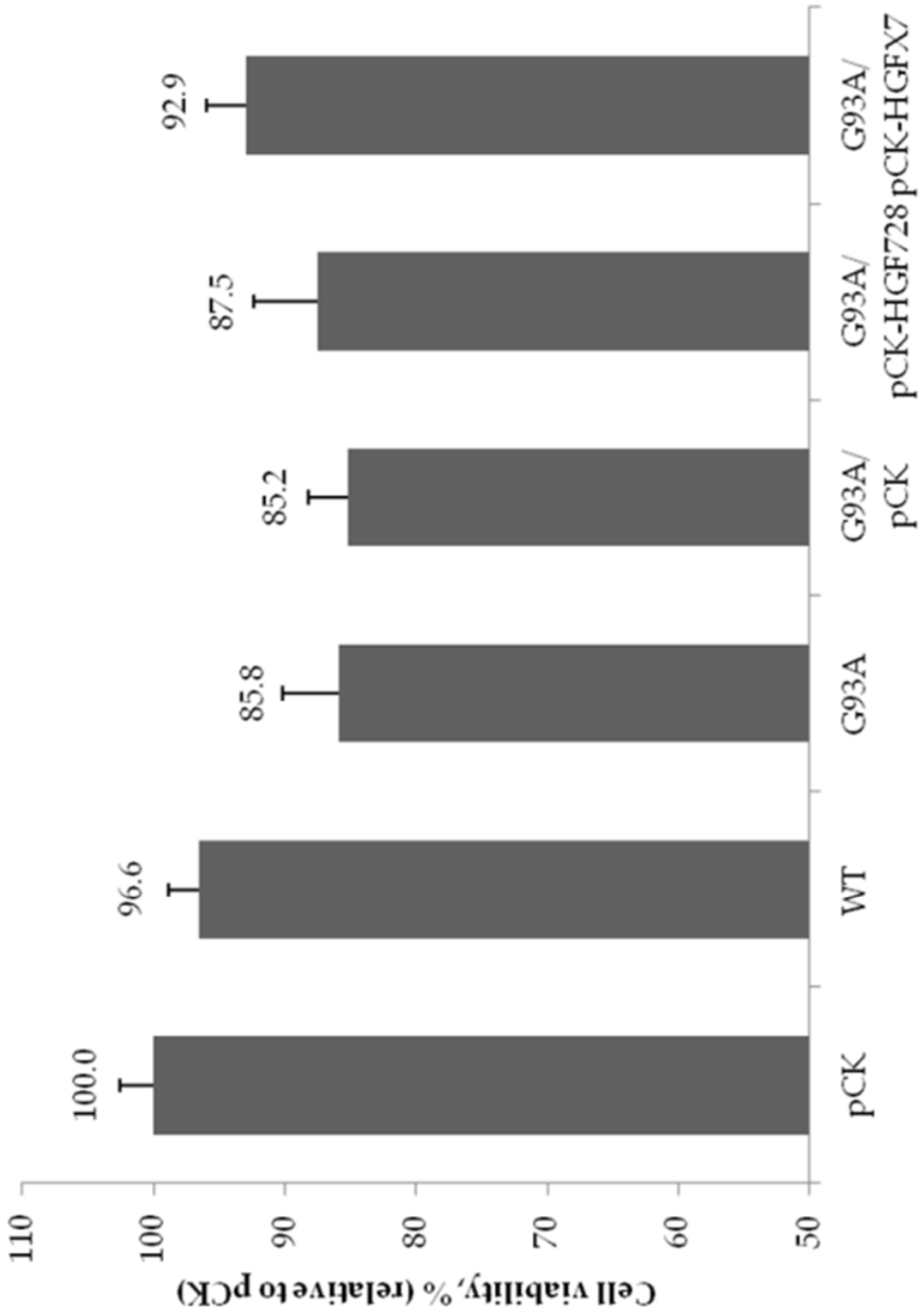
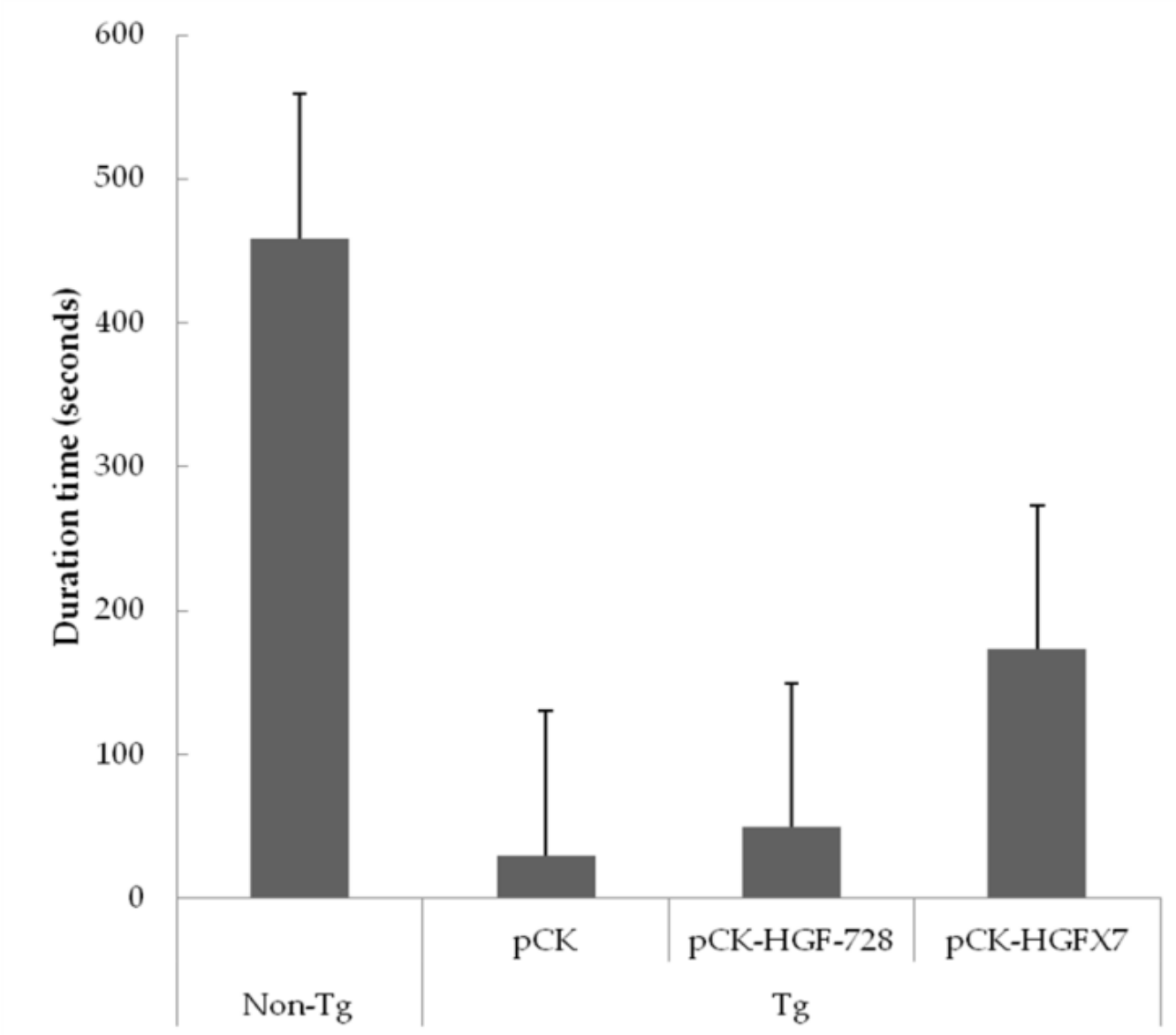

Cell viability, % (relative to pCK)
110
100
90
80
70
60
50
100.0
96.6
85.8
85.2
87.5
92.9
pCK
WT
G93A
G93A/ pCK
G93A/ pCK-HGF728
G93A/ pCK-HGFX7

Fig. 8


600
500
400
300
200
100
0
Duration time (seconds)
pCK
pCK-HGF-728
pCK-HGFX7
Non-Tg
Tg