

Fibroblast growth factor-2, but not the adipose tissue-derived stromal cells secretome, inhibits TGF- β 1-induced differentiation of human cardiac fibroblasts into myofibroblasts

Tacia Tavares Aquinas Liguori^{1,2+}, Gabriel Romero Liguori^{1,2+}, Luiz Felipe Pinho Moreira¹, Martin Conrad Harmsen^{2*}

1. Laboratório de Cirurgia Cardiovascular e Fisiopatologia da Circulação (LIM-11), Instituto do Coração (InCor), Hospital das Clinicas HCFMUSP, Faculdade de Medicina, Universidade de Sao Paulo, Sao Paulo, SP, BR

2. University of Groningen, University Medical Center Groningen, Department of Pathology and Medical Biology, Groningen the Netherlands.

+ These authors equally contributed to the manuscript.

***Corresponding author:**

Prof.dr. M.C. Harmsen

University of Groningen, University Medical Center Groningen, Dept. Pathology and Medical Biology, Hanzeplein 1 - EA11, 9713 GZ Groningen, the Netherlands.

e-mail: m.c.harmsen@umcg.nl

telephone: +31503614776/FAX: +31503619911

Supplementary Table S1. Primer Sequences of Genes

	Gene	Forward Primer Sequence (5' – 3')	Reverse Primer Sequence (5' – 3')
Reference Gene	<i>GAPDH</i>	CTTGCCATCCTTCTCAAAGT	GCCCAATACGACCAAATCC
Mesenchymal Markers	<i>TAGLN</i>	CTGAGGACTATGGGGTCATC	TAGTGCCCATCATTCTTGGT
	<i>ACTA</i>	CTGTTCCAGCCATCCTTCAT	TCATGATGCTGTTGTAGGTGGT
ECM Markers	<i>COL1A1</i>	GGGATTCCCTGGACCTAAAG	GGAACACCTCGCTCTCCA
	<i>COL3A1</i>	CTGGACCCCAGGGTCTTC	CATCTGATCCAGGGTTTCCA
	<i>TIMP1</i>	CCAGCGTTATGAGATCAAGA	AGTATCCGCAGACACTCTCC
	<i>TIMP2</i>	GAAGAGCCTGAACCACAGGT	CGGGGAGGAGATGTAGCAC
	<i>MMP1</i>	GCTAACCTTTGATGCTATAACTACGA	TTTGTGCGCATGTAGAATCTG
	<i>MMP2</i>	GTTCCCCTTCTTGTTCAATG	CTTGCCATCCTTCTCAAAGT
	<i>MMP14</i>	GGGTGAGGAATAACCAAGTG	CTTCCTCTCGTAGGCAGTGT