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• 計畫英文名稱	Studies of Functional Roles of Thy-1 during Angiogenesis (III)		
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• 中文關鍵字	Thy-1 醣蛋白；血管新生；轉染；人類臍靜脈內皮細胞		
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• 中文摘要	查無中文摘要		
• 英文摘要	Transfection of cDNA into human primary cell cultures is always a big challenge for the laboratory. In the present study, we have succeeded in the human Thy-1 cDNA construct and transfection of this cDNA into HUVEC and NIH3T3 cells. The expression of human Thy-1 protein in the transfected HUVEC and NIH3T3 was demonstrated by Western blot analysis. The transfection of human Thy-1 cDNA into NIH3T3 cells increased cell growth rate. Although our study of the Thy-1 transfection effect on the HUVEC is still on going, the finding from the human Thy-1 transfected NIH3T3 cells was consistant with our previous findings showing that using the anti-Thy-1 antibody which activates Thy-1 dose-dependently increased thymidine incorporation, and using the anti-Thy-1 antisense oligonucleotide to neutralize the Thy-1 expression dose-dependently decreased thymidine incorporation. Taken together, the results from these series studies suggest that Thy-1 protein, which is expressed in the angiogenic microvascular endothelial cells but not normal resting endothelial cells, might participate in the activating of the process of angiogenesis		