Figure S1

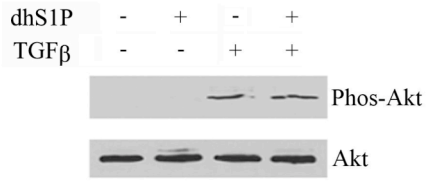

Figure S1
Fibroblasts were treated with 2.5 ng/ml of TGF-β and 0.5 μM of dhS1P for 30 min. Phosphorylated Akt was detected by western blot.

Figure S2

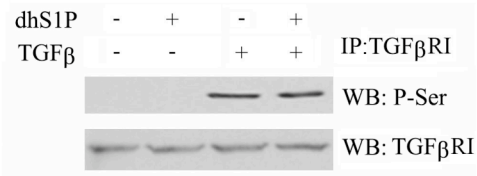

Figure S2
Fibroblasts were treated with 2.5 ng/ml of TGF-β and 0.5 μM of dhS1P for 30 min. Phosphorylation status of TGFβRI was tested by IP western.

Figure S3

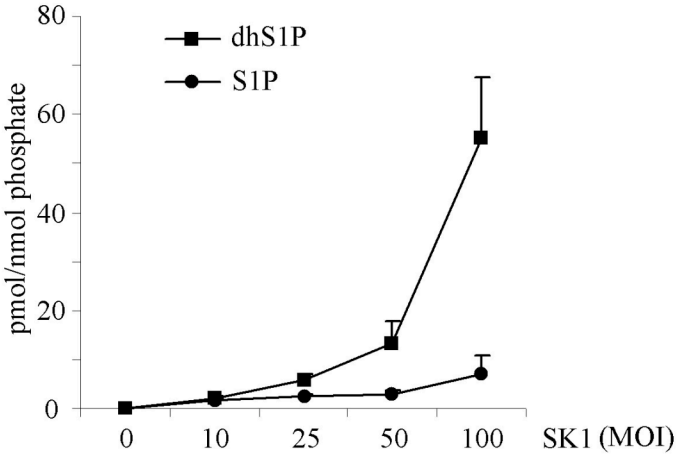

Figure S3
Effect of SK1 overexpression on S1P and dhS1P production. Foreskin fibroblasts were transduced with increasing doses of SK1 adenovirus for 24 h. Cell pellets were analyzed by ESI tandem mass spectrometry at the MUSC Lipidomics Core Facility as previously described (20). Basal levels of S1P and dhS1P were unchanged in the presence of control virus (data not shown).

Figure S4

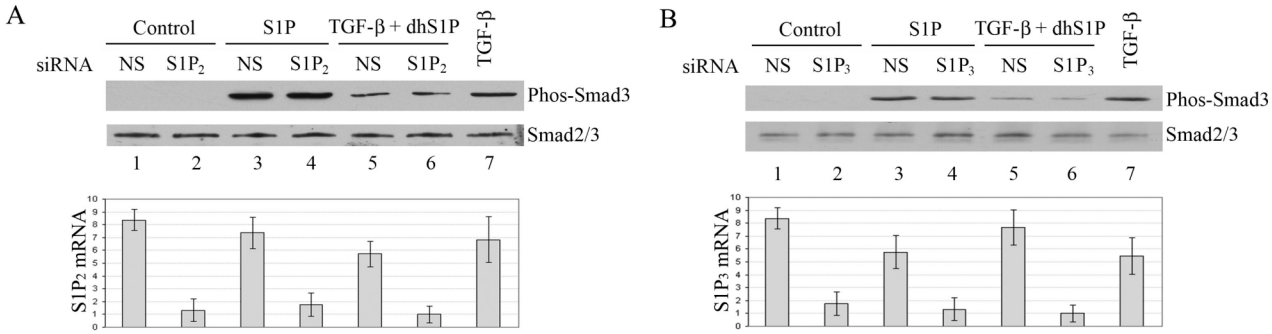

Figure S4

Depletion of endogenous $S1P_2$ or $S1P_3$ does not effect Smad3 phosphorylation in response to dhS1P and S1P treatment. Cells were transfected with 30 nM of $S1P_2$ or $S1P_3$ siRNA or Non-silencing (NS) siRNA for 24 h, then serum-starved overnight. Cells were treated with 1 μM S1P or 2.5 ng/ml TGFβ plus 0.5 μM dhS1P for 30 minutes. Phosphorylated Smad3 was detected by immunobloting.