

THE α SUBUNIT OF THE G PROTEIN G_{13} REGULATES THE ACTIVITY OF ONE OR MORE GLI TRANSCRIPTION FACTORS INDEPENDENTLY OF SMOOTHENED*

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Running head: Activation of Gli by G_{13}

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Supplemental Material

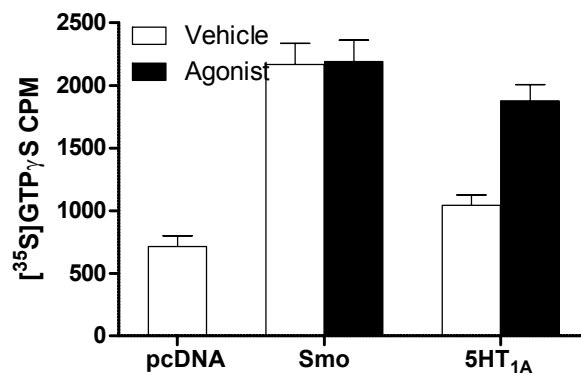
Supplemental Figure Legend

Fig S1. Smoothened couples to $G\alpha_i$ but does not couple to $G\alpha_{13}$. *A)* HEK293 cells were transfected with vector for Smo or the 5-HT_{1A} receptor, or with empty vector (pcDNA). At 48 h, membranes were isolated and [³⁵S]GTP γ S binding to endogenous $G\alpha_i$ was evaluated with or without 10 μ M purmorphamine (Smo) or 1 μ M 8-OH-DPAT (5-HT_{1A} receptor). *B)* HEK293 cells were transfected with vector for Smo or TP α , or with empty vector, and [³⁵S]GTP γ S binding to endogenous $G\alpha_{13}$ in subsequently prepared membranes was evaluated with or without 10 μ M purmorphamine (Smo) or 10 μ M U46619 (TP α). *C)* HEK293 cells were transfected with vector for Smo· $G\alpha_{13}$ or TP α · $G\alpha_{13}$, or with empty vector, and [³⁵S]GTP γ S binding was evaluated in subsequently prepared membranes with or without agonists. Data in each panel represent a typical experiment performed in triplicate.

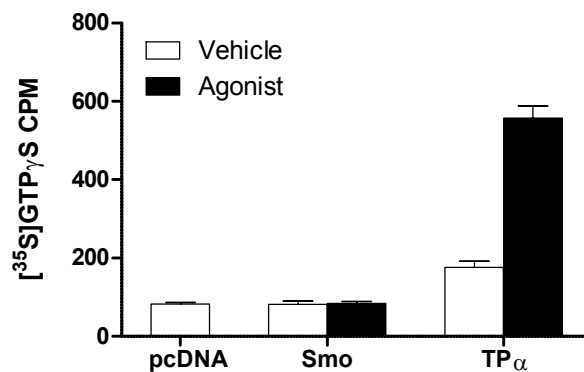
Supplemental Figures

Figure S1.

A. Coupling to endogenous $G\alpha_i$



B. Coupling to endogenous $G\alpha_{13}$



C. Coupling to fused $G\alpha_{13}$

