Supplementary Figure Legend

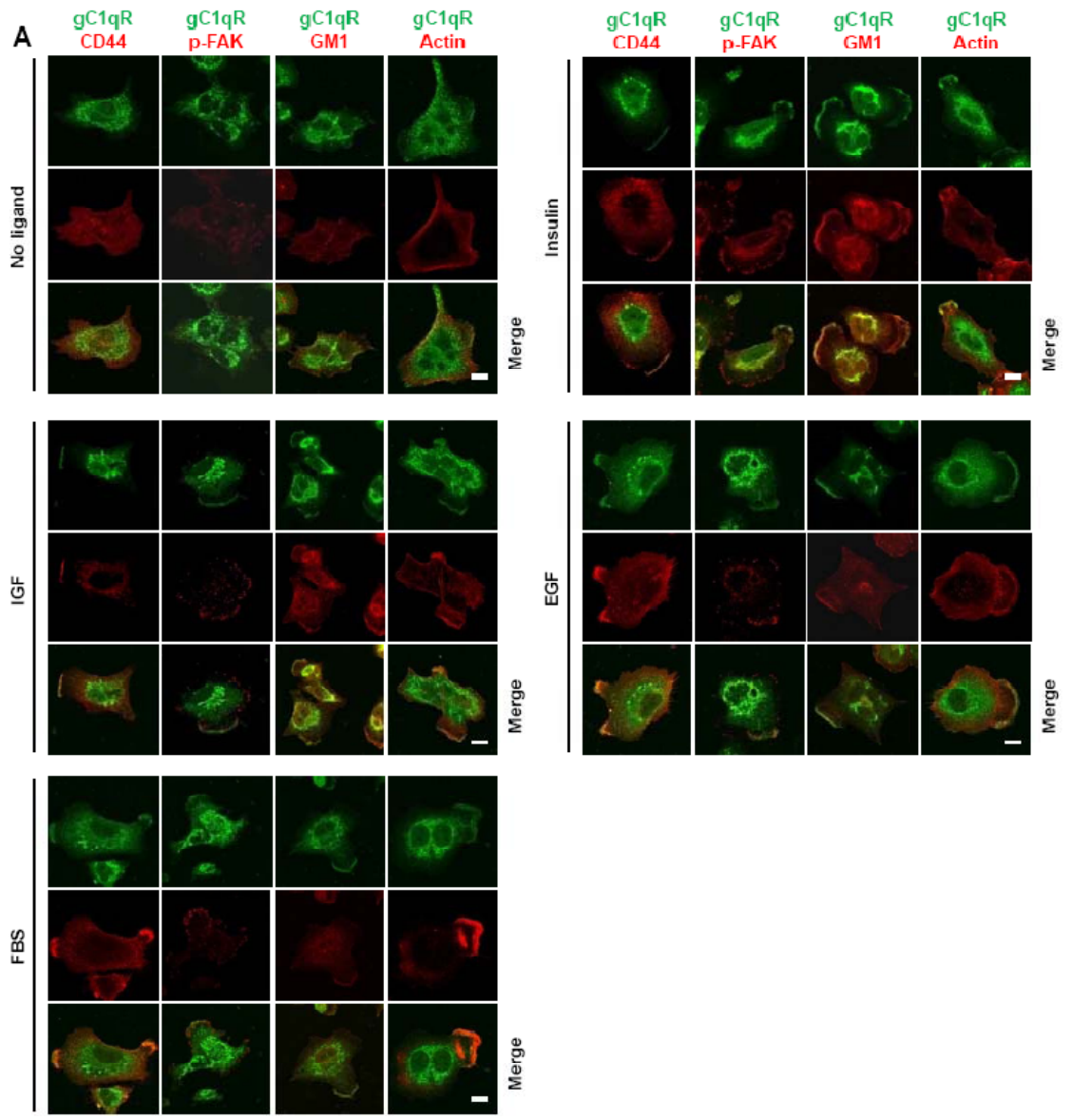
Figure S1. Cell surface gC1qR is recruited to the lamellipodia of motile A549 cells.

A. Colocalization of gC1qR with lamellipodia markers, such as CD44, p-FAK (Y397), GM1, and actin in lamellipodia. Nonconfluent A549 cells were serum-starved and stimulated with serum or various growth factors as indicated in Figure 1B. The cellular localization of gC1qR, CD44, and p-FAK was determined after permeabilization by immunofluorescence using anti-gC1qR, anti-CD44, and anti-p-FAK antibodies. Rhodamine-conjugated CTB and phalloidin were used for the localization of GM1, and actin, respectively. Scale bar = 20 μm.

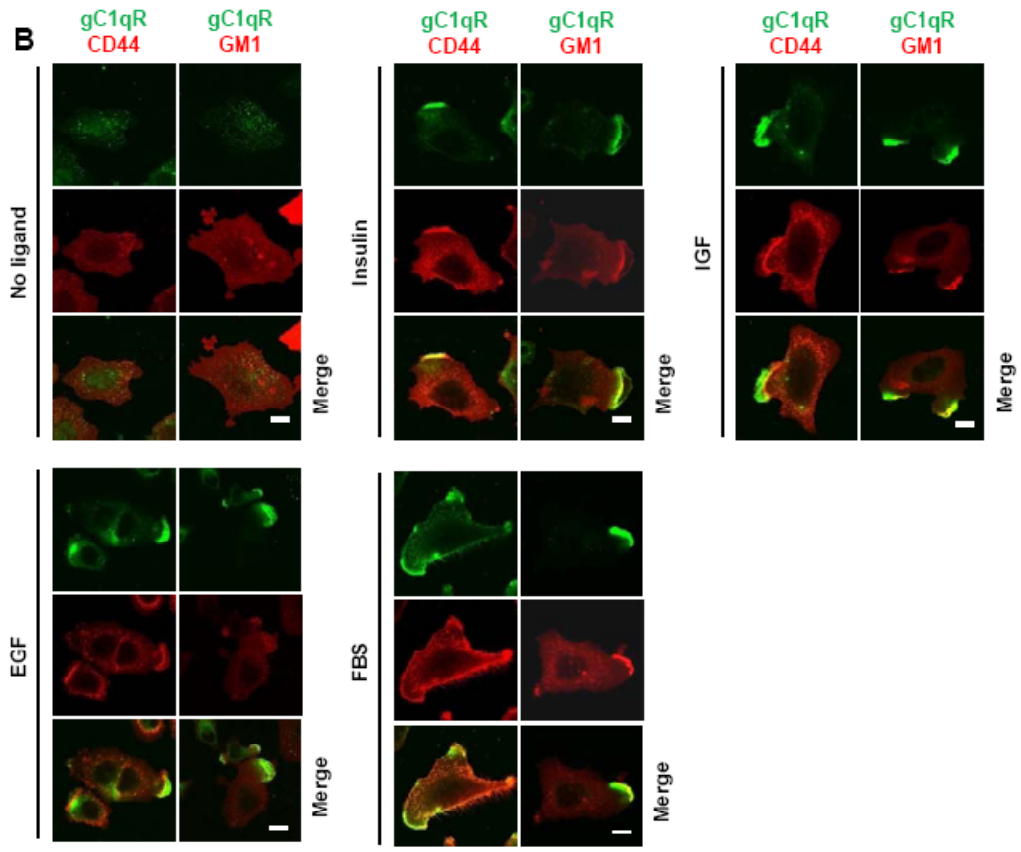
B. The surface coexpression of gC1qR with CD44 in lamellipodia. Nonconfluent A549 cells were serum-starved and stimulated with serum or various growth factors as indicated in Figure 1B. The surface expression of gC1qR and CD44 was determined in nonpermeabilized cells by immunofluorescence. Scale bar = 20 μm.

Figure S2. Knockdown of gC1qR prevents growth factor-induced lamellipodia formation.

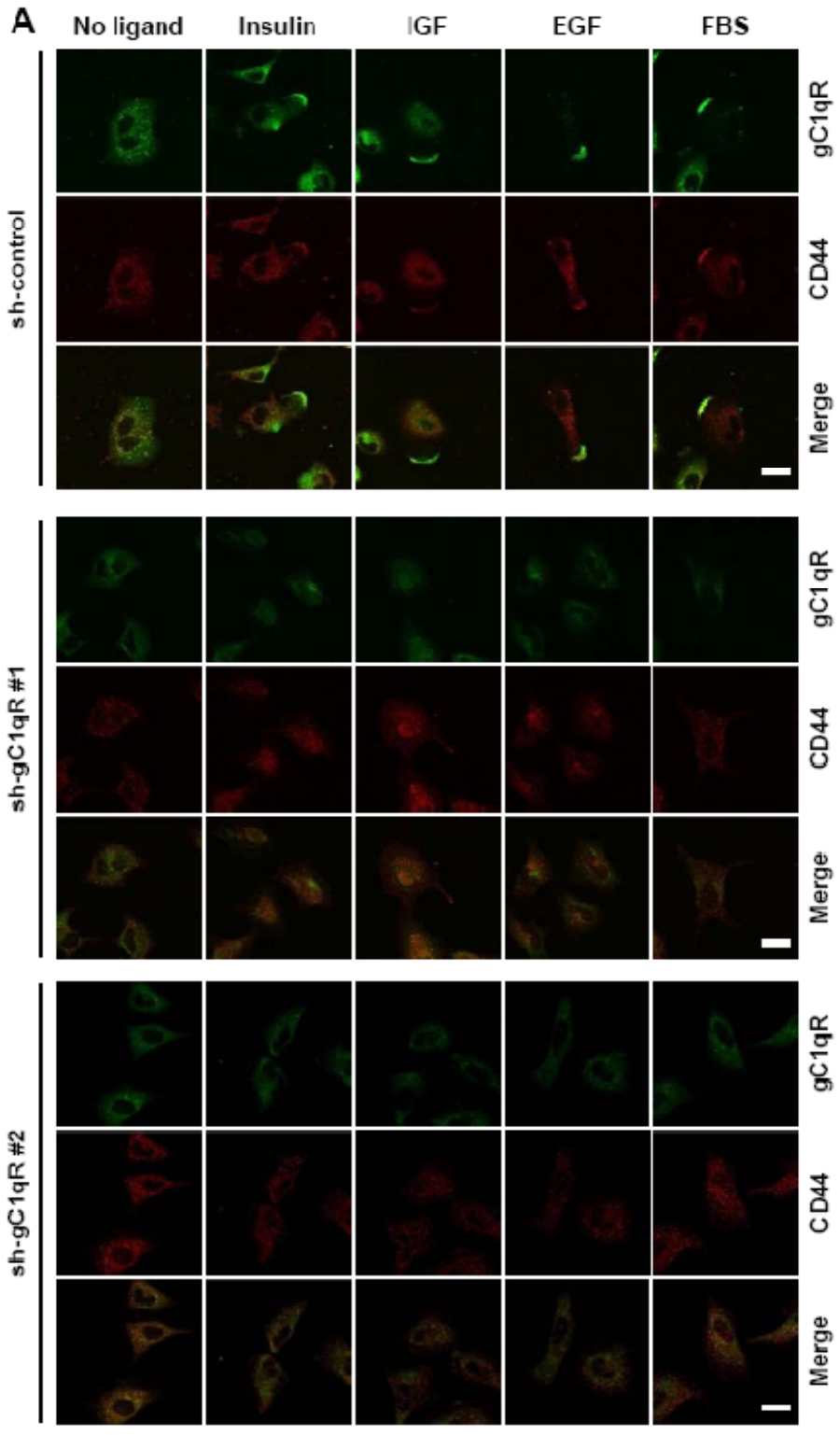
A-C. After 18 hrs of serum starvation, sh-con and sh-gC1qR cells were stimulated with serum or growth factors as indicated in Figure 1B. After permeabilization, cellular co-localization of gC1qR with CD44 (A), actin (B) or GM1 (C) was determined by immunofluorescence for gC1qR and CD44 and by staining with rhodamine-conjugated phalloidin and CTB. Scale bar = 20 μm.



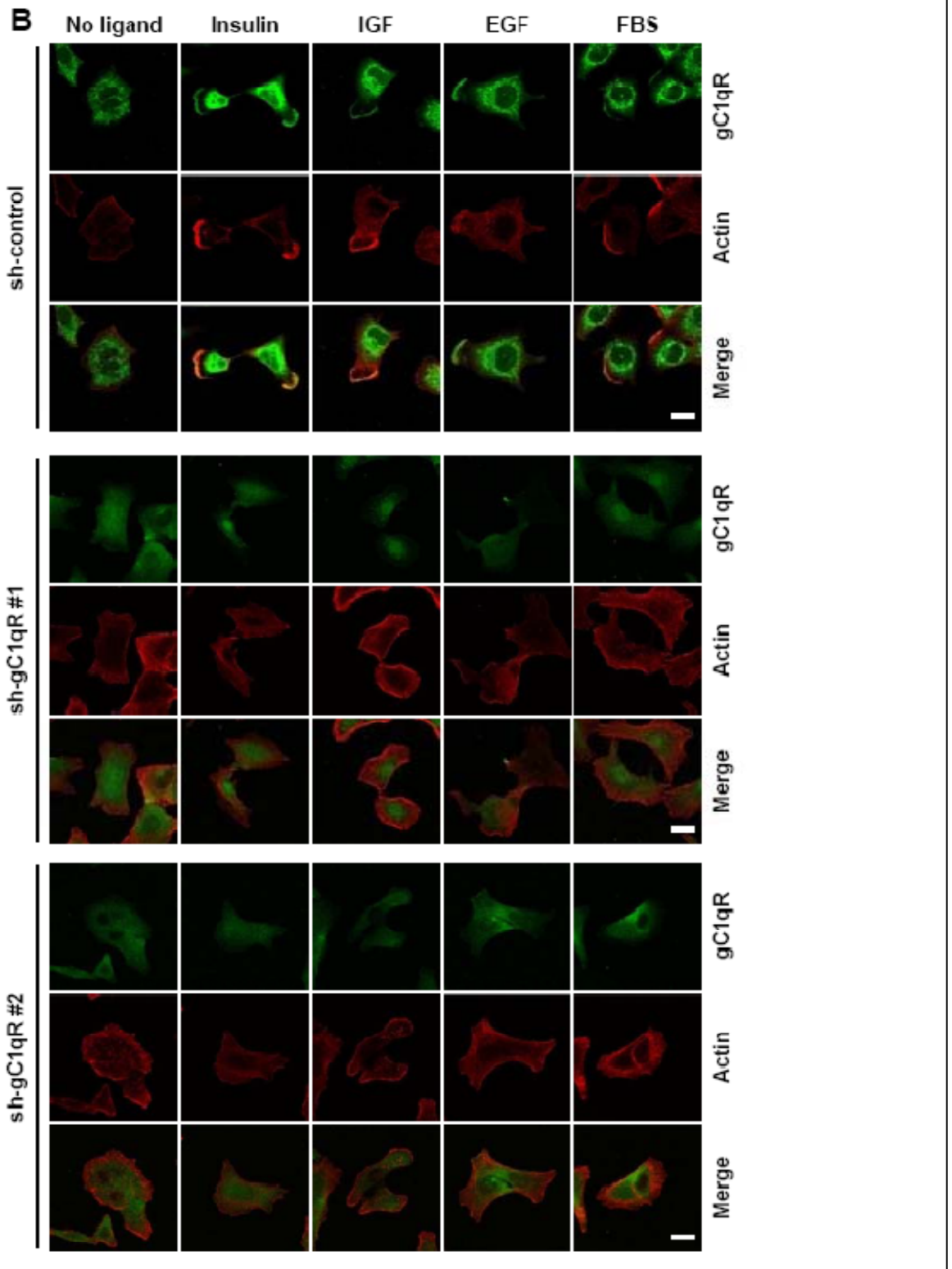
Kim et al., Figure S1A



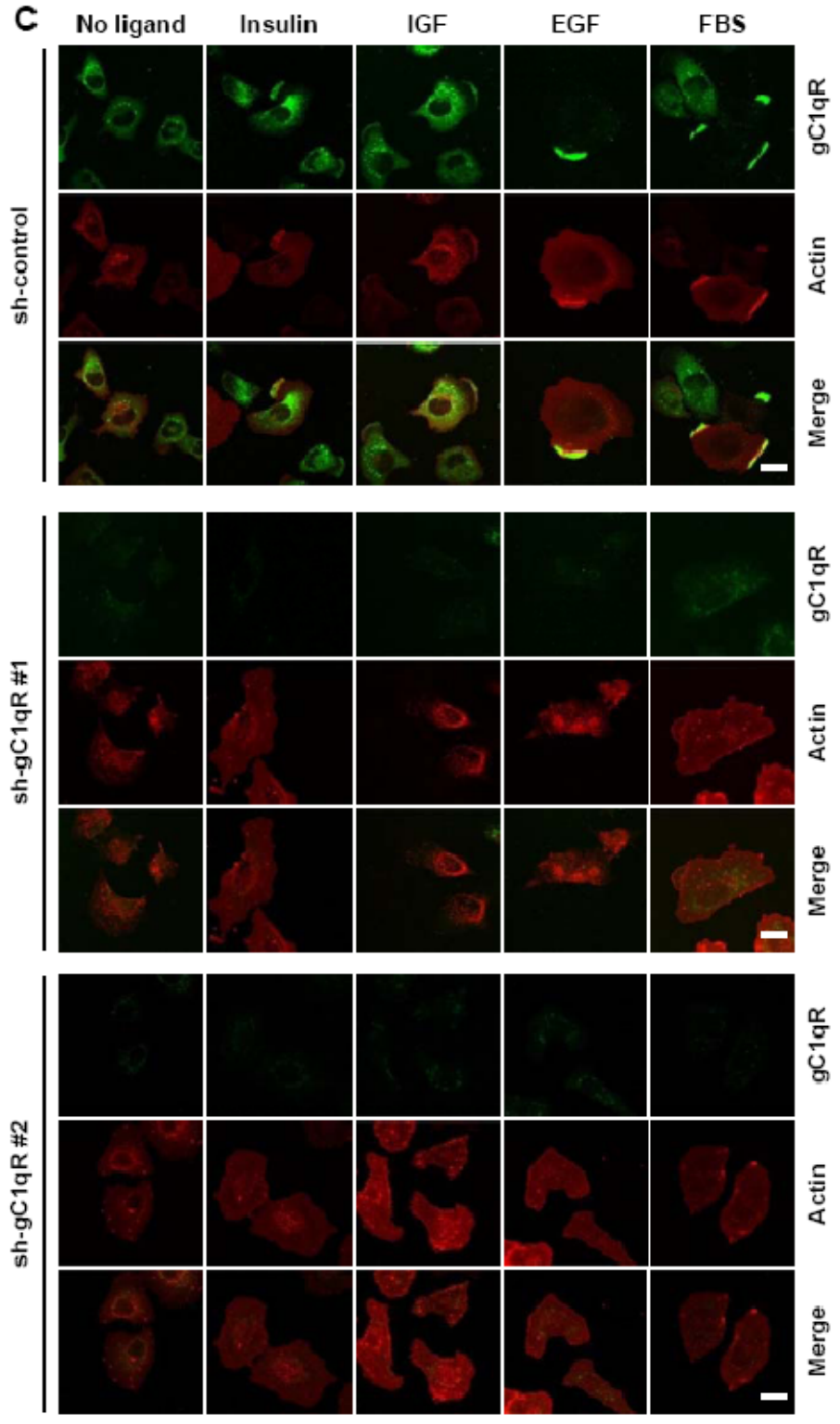
Kim et al., Figure S1B



Kim et al., Figure S2A



Kim et al., Figure S2B



Kim et al., Figure S2C