

Supplemental Figures

Effect of Substance P on Cellular Migration

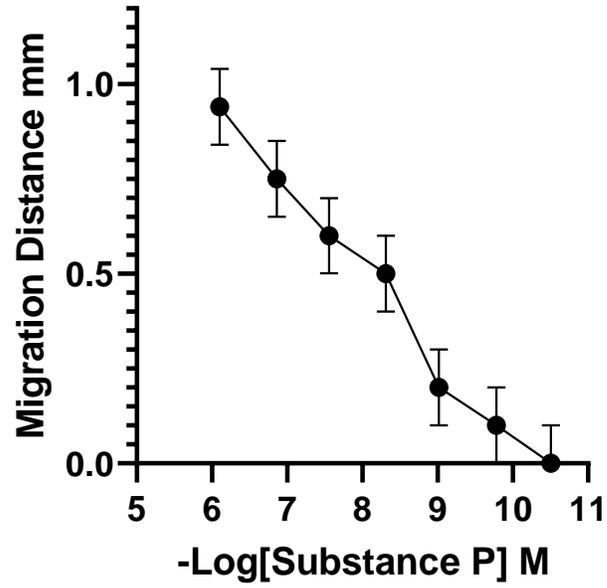


Figure S1. The effect of Substance P on SIRC cells migration. Error bars represent the s.e.m from three determinations.

Effect of SP (1nM) Vs Insulin on Cellular Migration

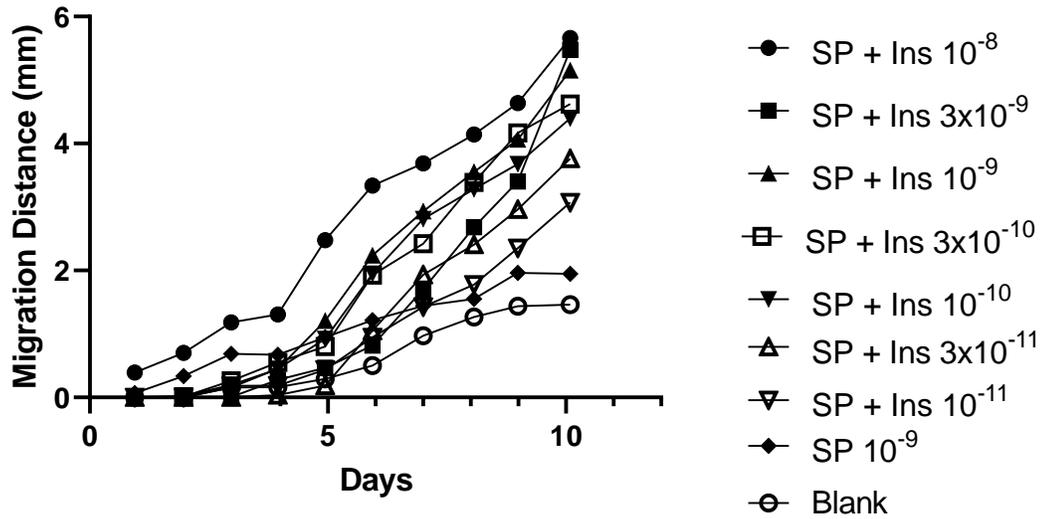


Figure S2. Cellular migration of SIRC cells increases with time after treatment with substance P at 1nM and various concentrations of Insulin. Error bars represent the s.e.m from 3 determinations.

Effect of SP (1nM) vs IGF-1 on Cellular Migration

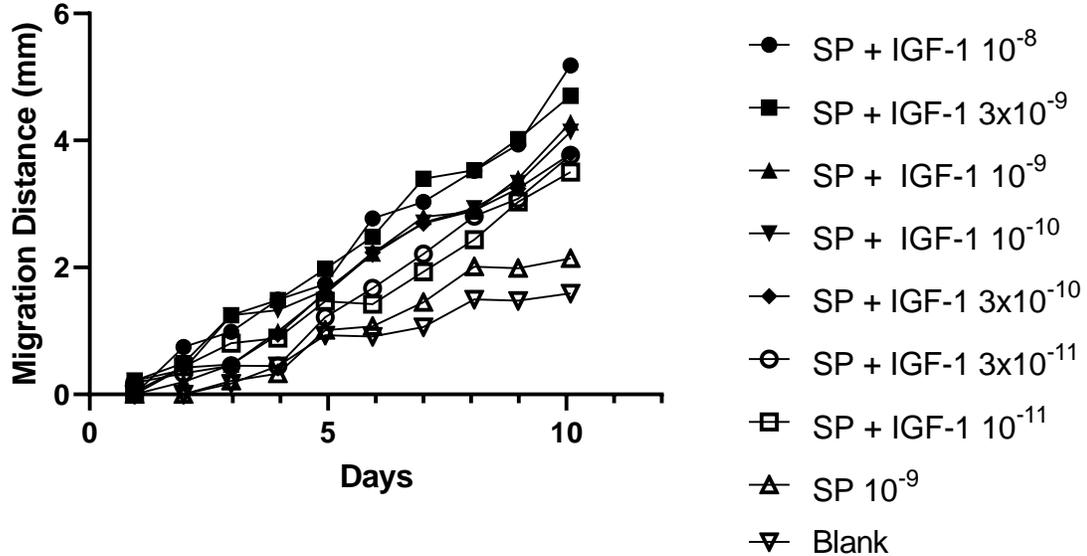


Figure S3. Cellular migration of SIRC cells increases with time after treatment with substance P at 1nM and various concentrations of IGF-1. Error bars represent the s.e.m from 3 determinations.

**Insulin [0.1 nM] vs SP with or without
SP Inhibitor CP96,345**

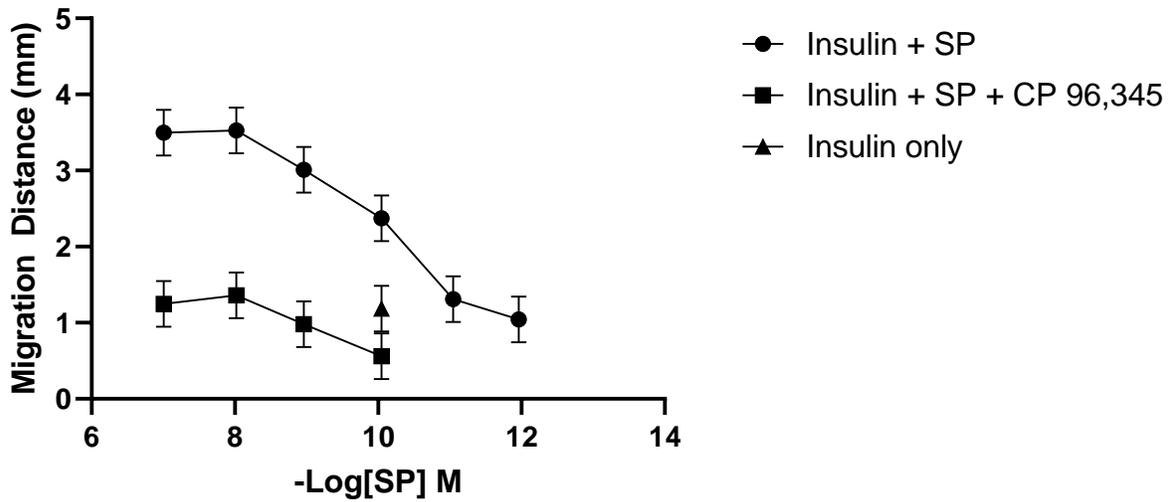


Figure S4. The substance P stimulated migration in the presence of Insulin is inhibited by the NK-1 specific inhibitor CP96,345. Error bars represent the s.e.m from three determinations.

**IGF-1 [0.1 nM] vs SP with or without the
SP Inhibitor CP96,345**

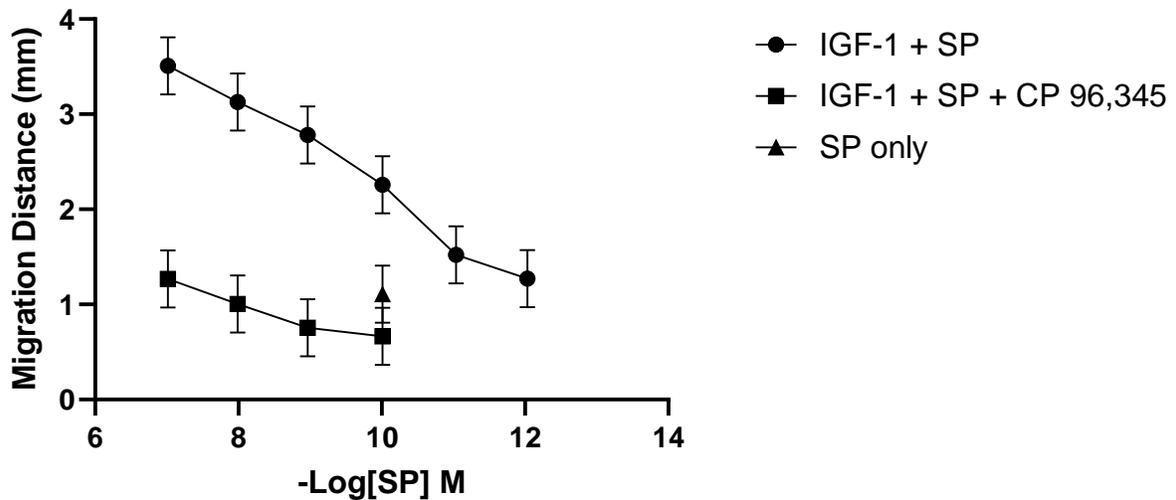


Figure S5. The substance P stimulated migration in the presence of IGF-1 is inhibited by the NK-1 specific inhibitor CP96,345. Error bars represent the s.e.m from three determinations.

Effect of Insulin on Cell Migration

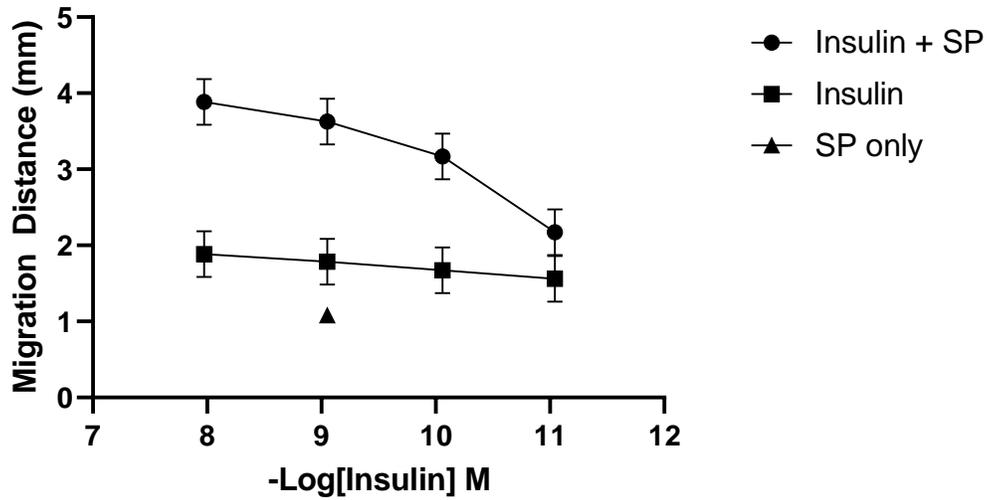


Figure S6. Effect of Substance P (1 nM) with Insulin, on cellular migration of SIRC cells after 7 days. Error bars represent the s.e.m from three determinations.

Effect of IGF-1 on Cell Migration

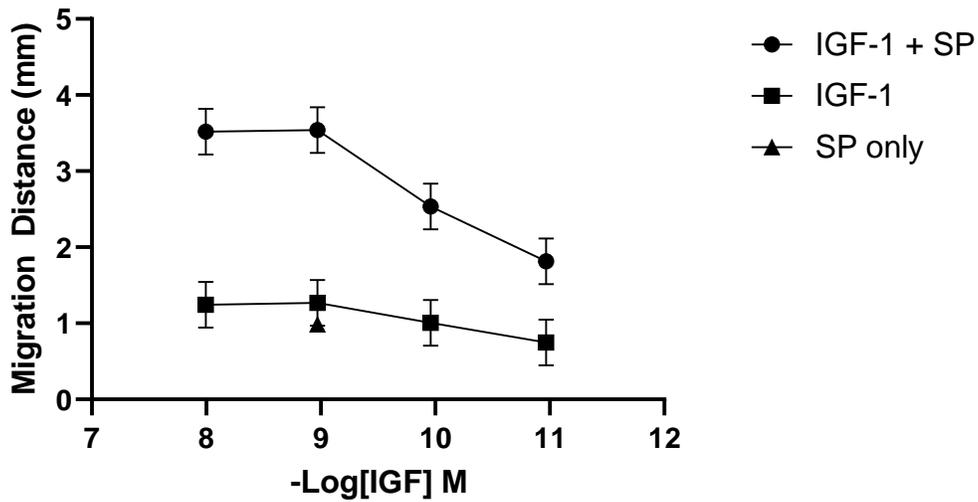


Figure S7. Effect of Substance P (1 nM) with IGF-1, on cellular migration of SIRC cells after 7 days. Error bars represent the s.e.m from three determinations.

Effect of CP96,345 on the Insulin

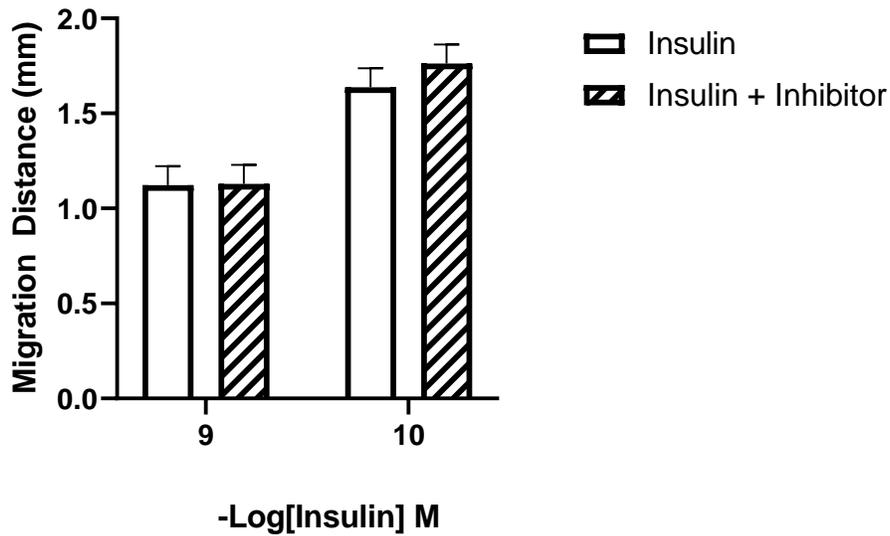


Figure S8. Effect of insulin on cellular migration of SIRC cells after 7 days, with and without the substance P receptor specific inhibitor CP96,345. Error bars represent the s.e.m from three determinations.

Effect of CP96,345 on the IGF-1

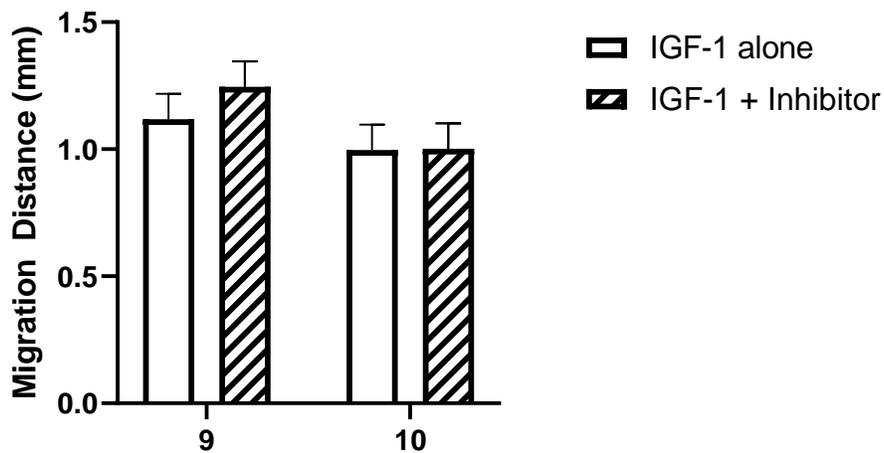


Figure S9. The effect of IGF-1 on SIRC cells transformed cell migration after 7 days, with and without the substance P receptor specific inhibitor CP96,345. Error bars represent the s.e.m from three determinations.