

**Supplementary Figure S1.** **Levels of INHBA mRNA and protein in GC cell lines and GES-1.** (A) The expression of INHBA mRNA in GC cell lines and GES-1 was detected by qRT-PCR. (B) The basal expression of INHBA protein in GC cell lines and GES-1 cell lines was detected by WB. Data are presented as means±SD. Compared with GES-1, INHBA expression was lower in HGC-27 and AGS cells, but higher in NUGC-3 and Hs 746T cells. Therefore, for subsequent experiments, we selected HGC-27 and AGS for INHBA overexpression, chose NUGC-3 and Hs 746T for INHBA knockdown. \**p* <0.05, \*\**p* <0.01, \*\*\**p* <0.001, \*\*\*\**p*<0.0001

**Supplementary Table S1. The primer sequences of INHBA, ITGA6, β-actin.**

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| Primers | Forward primers 5’-3’ | Reverse primers 5’-3’ |
| INHBA | CATTGCTCCCTCTGGCTATCAT | GCACACAGCACGATTTGAGGTT |
| ITGA6 | CACATCTCCTCCCTGAGCAC | TATCTTGCCACCCATCCTTG |
| β-actin | GAGTCAACGGATTTGGTCGT | CATGGGTGGAATCATATTGGA |