Supplementary Table 1: Sequences of sh*PROS1* and control shRNA

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| Gene name：PROS1 | Virus name：LV-PROS1 |
| ShPS1-a:5’-CCGGCCATGCAATGAAGATGGATATCTCGAGATATCCATCTTCATTGCATGGTTTTTG -3’ |
| shPS1-b:5’-AATTCAAAAACCATGCAATGAAGATGGATATCTCGAGATATCCATCTTCATTGCATGG -3’ |
| ShPS2-a:5’-CCGGCGTCGTGCAAATTCTTTACTTCTCGAGAAGTAAAGAATTTGCACGACGTTTTTG -3’shPS2-b:5’-AATTCAAAAACGTCGTGCAAATTCTTTACTTCTCGAGAAGTAAAGAATTTGCACGACG -3’ |
| CON313: TTCTCCGAACGTGTCACGT |