

Table S 1 The sequences of shRNA for MCT1.

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| shMCT1F1 | 5'-CCGGGCTCCGTATTGTTTCAAACATCTCGAGATGTTTCAAACAATACGGAGCTTTTTG-3' |
| shMCT1R1 | 5'-AATTCAAAAAGCTCCGTATTGTTTCAAACATCTCGAGATGTTTCAAACAATACGGAGC-3' |
| shMCT1F2 | 5'-CCGGGCAGGGAAAGATAAGTCTAAACTCGAGTTTAGACTTATCTTCCCTGCTTTTTG-3' |
| shMCT1R2 | 5'-AATTCAAAAAGCAGGGAAAGATAAGTCTAAACTCGAGTTTAGACTTATCTTCCCTGC-3' |
| shMCT1F3 | 5'-CCGGTATGTTTCTGCTAGCTATATACTCGAGTATATAGCTAGCAGAAACATATTTTTG-3' |
| shMCT1R3 | 5'-AATTCAAAAATATGTTTCTGCTAGCTATATACTCGAGTATATAGCTAGCAGAAACATA-3' |