

Supplementary

Table S1 qRT-PCR primer sequences information

Gene	Primer
AP003555.1 forward	5'-CAAGGGACCACACAGGAACT-3'
AP003555.1 reverse	5'-GGGACATCTGGAAGCCAGT-3'
MALINC1 forward	5'-CTACTTGGCTTCTTTCCTGGC-3'
MALINC1 reverse	5'-TCCACTCTTTGGAAAAGCCCA-3'
AC013652.1 forward	5'-CTCAAAGCATCCTGGGGGTC-3'
AC013652.1 reverse	5'-GGGTCATCCTACACCCAACC-3'
AC074212.1 forward	5'-CACCTTCGGATTCCAGGAGTT-3'
AC074212.1 reverse	5'-CCTCCCACTTGGTACTAGCTG TAAGC-3'

Table S2 Small interfering RNA sequences information

Gene	Sequence
MALINC1 sense [1]	AGGGCUAAAUGUGAAAUA
MALINC1 anti-sense [1]	UAAUUUCACAUUUAGCCCU
MALINC1 sense [2]	CUGCAUUUAUCAUCUUUAU
MALINC1 anti-sense [2]	AUAAAAGAUGAUAAAUGCAG

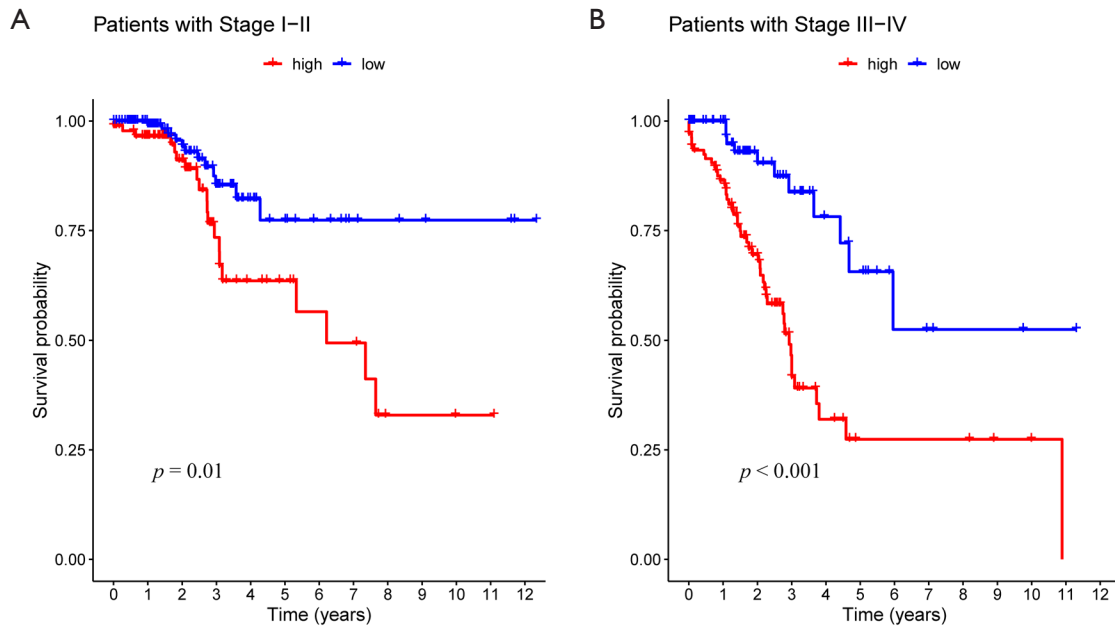


Figure S1 Survival analysis of samples with high and low risk score stratified by TNM stages. (A) TNM stage I-II. (B) TNM stage III-IV.

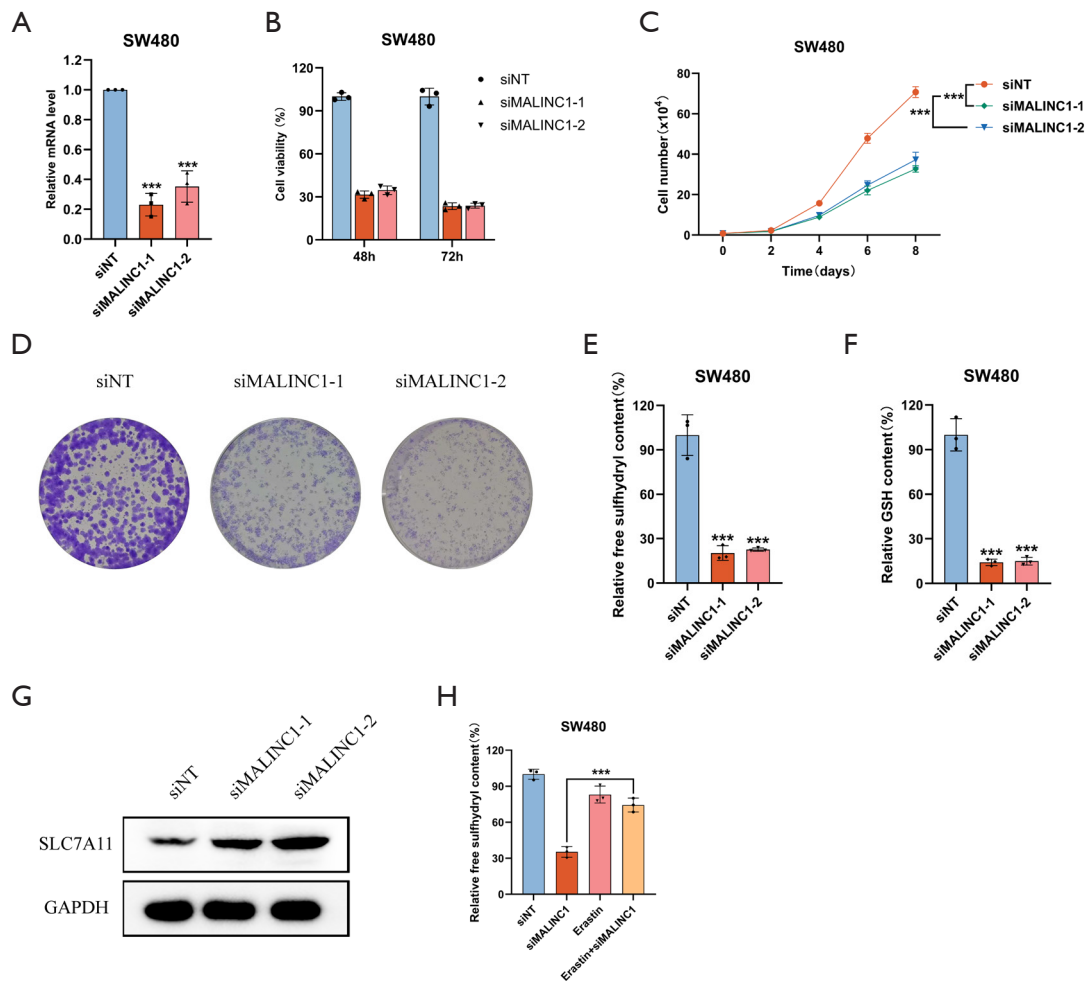


Figure S2 Silencing MALINC1 may trigger disulfidptosis in COAD cell line SW480. (A) Silencing efficiency of indicated small interfering RNA targeting MALINC1 on SW480 cells. (B) Cell viability of MALINC1-silenced SW480 cells at 48 and 72 hours. (C) Cell number of MALINC1-silenced SW480 cells. (D) Colony formation capacity of MALINC1-silenced SW480 cells. (E) Intracellular relative free thiol content of MALINC1-silenced SW480 cells. (F) Measurement of reduced glutathione levels in SW480 cells following MALINC1 silencing. (G) Immunoblotting analysis of SLC7A11 protein levels in SW480 cells after MALINC1 knockdown. (H) Proliferation assay of SW480 cells subjected to MALINC1 silencing and subsequent treatment with the SLC7A11 inhibitor Erastin. ***, $P < 0.001$.