

Supplementary Information for

ERMP1 Facilitates The Malignant Characteristics of Colorectal Cancer Cells through Modulating PI3K/AKT/β-Catenin Pathway and Localization of GRP78

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Table S1: A list of gene specific primers used for reverse transcription-quantitative polymerase chain reaction (RT-qPCR)

Gene name	Primer sequence (5'-3')	
GAPDH	F: CGACCACTTTGTCAAGCTCA	
	R: AGGGGTCTACATGGCAACTG	
С-МҮС	F: CATACATCCTGTCCGTCCAAG	
	R: CGCACAAGAGTTCCGTAGC	
CYCLIN D	F: CATCCAGTGACAAACCATC	
	R: TTATAGTAGCGTATCGTAGGA	
AKT	F: TTGTTATTGTGTATTATGTTGTTCA	
	R: AAGTGCTACCGTGGAGAG	
ERMP1	F: TCTTTTGGCACTTCAGCAC	
	R: CCCACCATCCACTAATACAAC	

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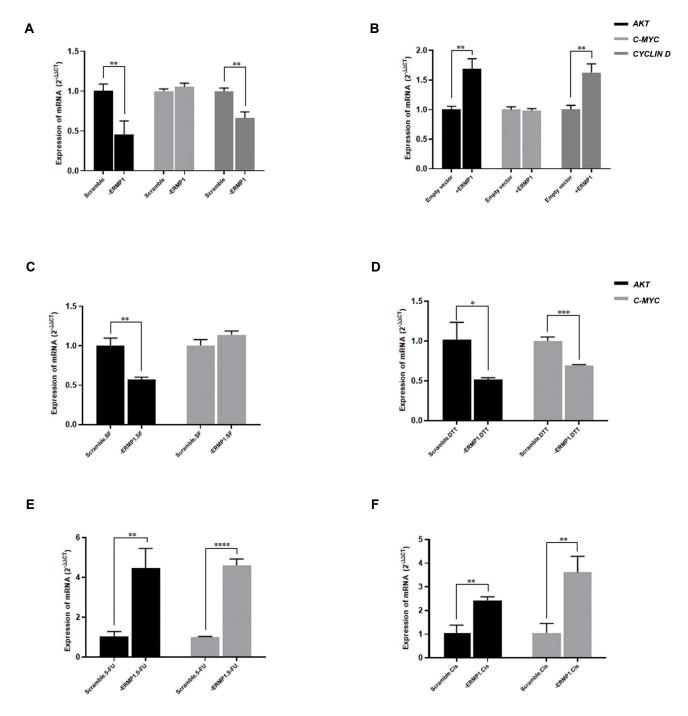


Fig.S1: Evaluation of the ERMP1 effect on *AKT, C-MYC* and *CYCLIN D* expression using RT-qPCR. **A.** Knock-down of *ERMP1* significantly affected the expression of *AKT* and *CYCLIN D* under normal condition. **B.** Overexpression of *ERMP1* considerably enhanced the expression of *AKT* and *CYCLIN D*. **C.** DTT treatment remarkably reduced the expression of *AKT* and *C-MYC* in comparison with its scramble control. **D, E.** *AKT* and *C-MYC* expressions were overexpressed following treatment with 5-FU and cisplatin in *-ERMP1* cells. Data are presented as the mean ± SD, *; P<0.05, **; P<0.01, ***; P<0.001, and *****; P<0.0001 vs. each scramble control or empty vector. Unpaired t test is applied.