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)

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<tr>
<th>Gene name</th>
<th>Primer sequence (5’-3’)</th>
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| GAPDH     | F: CGACCACCTTTGTCAAGCTCA  
           | R: AGGGGTCTACATGGCAACTG    |
| C-MYC     | F: CATACATCGGTCCGGTCAAG  
           | R: CGCACAAGAGTGTCGAGC       |
| CYCLIN D  | F: CATCCAGTGACAAACCAC   
           | R: TTATAGTAGCGTATCGAGA       |
| AKT       | F: TTGGTATTGGATTATGTTTCA   
           | R: AAGTGCTACCAGTTGGAGA       |
| ERMP1     | F: TCTTTTGGCACTTCAGC    
           | R: CCCACCATCCACTAAATACAC     |

Received: 12/December/2022, Revised: 14/April/2023, Accepted: 22/May/2023

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Royan Institute
Cell Journal
(Yafteh)
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.