

Supplementary

Table S1 Clinicopathological features of 150 gastric cancer patients from Zhejiang Cancer Hospital

Parameters	Number (%)
Age (year), median (range)	61 (53, 68)
Gender	
Male	106 (70.7)
Female	44 (29.3)
Family history (GC)	
Yes	23 (15.3)
No	127 (84.7)
Smoking history	
Yes	53 (35.3)
No	97 (64.7)
Drinking history	
Yes	37 (24.7)
No	113 (75.3)
Weight loss	
Yes	54 (36.0)
No	96 (64.0)
Tumor location	
Proximal	48 (32.0)
Distal	92 (61.3)
Total	10 (6.7)
Lauren classification	
Intestinal	73 (48.7)
Diffuse	51 (34.0)
Mixed	25 (16.7)
Unknown	1 (0.7)
Tumor size (cm)	
≥5	101 (67.3)
<5	46 (30.7)
Unknown	3 (2.0)
Grade of differentiation	
Poor	66 (44.0)
Moderate-poor	52 (34.7)
Moderate	26 (17.3)
Unknown	6 (4.0)
Pathological type	
Adenocarcinoma	133 (88.7)
Other	17 (11.3)
T stage	
1	2 (1.3)
2	4 (2.7)
3	13 (8.7)
4	131 (87.3)

Table S1 (continued)

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Parameters	Number (%)
N stage	
0	10 (6.7)
1	34 (22.7)
2	41 (27.3)
3	65 (43.3)
M stage	
0	136 (90.7)
1	14 (9.3)
TNM stage	
II	18 (12.0)
III	118 (78.7)
IV	14 (9.3)
Nerve invasion	
Yes	110 (73.3)
No	40 (26.7)
Vascular tumor thrombus	
Yes	94 (62.7)
No	56 (37.3)
AFP (ng/mL)	
≤8.1	140 (93.3)
>8.1	8 (5.3)
Unknown	2 (1.3)
CEA (ng/mL)	
≤5	112 (74.7)
>5	38 (25.3)
CA199 (U/mL)	
≤37	103 (68.7)
>37	47 (31.3)
CA724 (U/mL)	
≤6.9	105 (70.0)
>6.9	31 (20.7)
Unknown	14 (9.3)
CA125 (U/mL)	
≤35	137 (91.3)
>35	13 (8.7)
CA50 (U/mL)	
≤25	76 (50.7)
>25	17 (11.3)
Unknown	57 (38.0)

Table S2 The expression level of CerS5 in tumor tissues of gastric cancer patients from Zhejiang Cancer Hospital

Parameter	N	0 score	≤4 score	>4 score	Expression	High expression
CerS5	150	32	100	50	78.70%	33.30%

Expression: score ≥1; high expression: score >4.

Table S3 The expression level of CerS5 in tumor and paracancerous tissues of gastric cancer patients from Zhejiang Cancer Hospital

Parameters	N	CerS5 expression		Positive rate	χ^2	P value
		High	Low			
Tumor tissue	150	50	100	33.30%	12.126	<0.001
Paracancerous tissue	150	24	126	16.00%		

Table S4 The expression level of CerS5 in tumor tissues of gastric cancer patients from TCGA and ACRG databases

CerS5	TCGA			GSE66229 (ACRG)		
	HR	95% CI	P	HR	95% CI	P
Continuous						
Univariate	1.2	0.83–1.75	3.34E–01	22.62	1.65–310.05	0.0195452
Multivariate	1.06	0.72–1.55	7.73E–01	22.8	1.63–318.27	0.0200886
Category						
Univariate	1.3	0.93–1.81	1.22E–01	1.55	1.12–2.14	0.0076298
Multivariate	1.08	0.76–1.53	6.57E–01	1.53	1.11–2.11	0.0100811