

Supplementary Table 1. TIG1 and SPINK2 suppress NT2/D1 cell migration and invasion

		Cell number	<i>p</i> -value
Migrated cells	Ctrl	1892 ±134.5	
	TIG1	824.7 ± 106.5	1.64877E-05 <sup>a</sup>
	SPINK2	1080.7 ±220.9	0.00015 <sup>a</sup>
	TIG1+SPINK2	351.3 ±110.5	0.00019 <sup>b</sup>
Invaded cells	Ctrl	1110.3 ± 143.3	
	TIG1	189.3 ± 62.7	0.00116 <sup>a</sup>
	SPINK2	341.7 ± 104.5	0.00025 <sup>a</sup>
	TIG1+SPINK2	41.7 ± 18.6	0.01724 <sup>b</sup>

<sup>a</sup>*p* <0.05 cells transfected with TIG1 or SPINK2 plasmid compared with cells transfected with empty vector (Ctrl group). <sup>b</sup>*p* <0.05 cells cotransfected with TIG1 and SPINK2 plasmids compared with cells transfected with TIG1 plasmid.

Supplementary Table 2. Effect of TIG1 and SPINK2 on uPA activity in NT2/D1 cells

	uPA activity (unit/ $\mu$ g protein)	<i>p</i> -value
Ctrl	0.64 $\pm$ 0.06	
TIG1	0.43 $\pm$ 0.01	0.00063 <sup>a</sup>
SPINK2	0.52 $\pm$ 0.02	0.00028 <sup>a</sup>
TIG1+SPINK2	0.27 $\pm$ 0.07	0.00284 <sup>b</sup>

<sup>a</sup>*p* < 0.05 cells transfected with TIG1 or SPINK2 plasmid compared with cells transfected with empty vector (Ctrl group). <sup>b</sup>*p* < 0.05 cells cotransfected with TIG1 and SPINK2 plasmids compared with cells transfected with TIG1 plasmid.

Supplementary Table 3. Effect of SPINK2 siRNA on TIG1-regulated uPA activity in NT2/D1 cells.

	uPA activity (unit/ $\mu$ g protein)	<i>p</i> -value
Ctrl + NCI	0.71 $\pm$ 0.09	
TIG1 + NCI	0.46 $\pm$ 0.03	0.00096 <sup>a</sup>
TIG1+ SPINK2i	0.65 $\pm$ 0.02	1.99263E-05 <sup>b</sup>

<sup>a</sup> *p* < 0.05 cells transfected with TIG1 plasmid and control (NCI) siRNA compared with cells transfected with empty vector and NCI. <sup>b</sup> *p* < 0.05 cells cotransfected with TIG1 plasmid and SPINK2 siRNA compared with cells transfected with TIG1 plasmid and NCI.

Supplementary Table 4. SPINK2 siRNA alleviates TIG-regulated cell migration and invasion.

		Cell number	<i>p</i> -value
Migrated cells	Ctrl + NCi	1450.7 ± 169.2	
	TIG1 + NCi	651 ± 114	0.00014 <sup>a</sup>
	TIG1 + SPINK2i	1060 ± 88.4	5.24801E-05 <sup>b</sup>
Invaded cells	Ctrl + NCi	1110.3 ± 143.3	
	TIG1 + NCi	189.3 ± 62.7	0.00225 <sup>a</sup>
	TIG1 + SPINK2i	341.7 ± 104.5	0.00026 <sup>b</sup>

<sup>a</sup>*p* < 0.05 cells transfected with TIG1 plasmid and NCi compared with cells transfected with empty vector and NCi. <sup>b</sup>*p* < 0.05 cells cotransfected with TIG1 plasmid and SPINK2 siRNA compared with cells transfected with TIG1 plasmid and NCi.