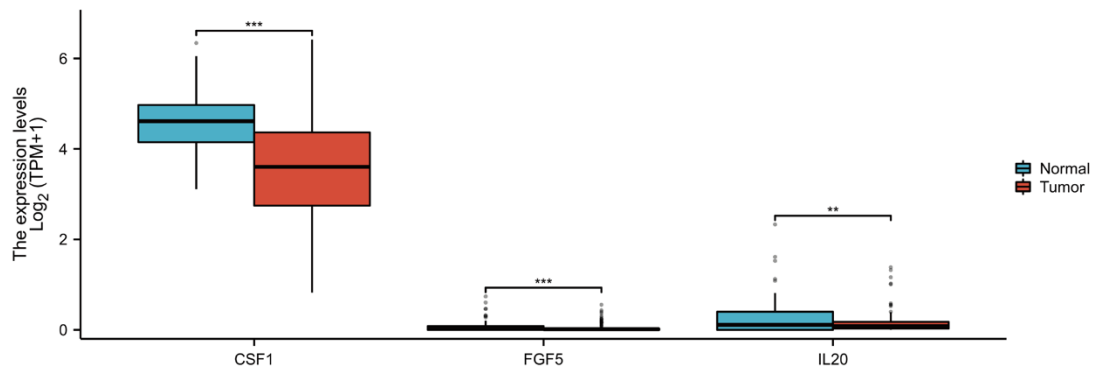


Supplementary Figure S1. The MR analysis for circulated inflammatory factors and UCEC. The bubble plot shows the relationship between inflammatory factors and UCEC



CSF1	Characteristics	Total (N)	OR (95% CI)	P value
	Clinical stage (Stage III&Stage IV vs. Stage I&Stage II)	378	0.385 (0.156 – 0.951)	0.038

IL20	Characteristics	Total (N)	OR (95% CI)	P value
	Clinical stage (Stage III&Stage IV vs. Stage I&Stage II)	378	1.465 (0.634 – 3.385)	0.372

FGF5	Characteristics	Total (N)	OR (95% CI)	P value
	Clinical stage (Stage III&Stage IV vs. Stage I&Stage II)	378	1.416 (0.613 – 3.273)	0.416

Supplementary Figure S2. The CSF1, FGF5, IL20 expression is validated in TCGA dataset. All three genes are down-regulated in UCEC tissue compared to normal uterine corpus tissue. The logistic analysis between gene expression and clinical stage