

Supplementary information

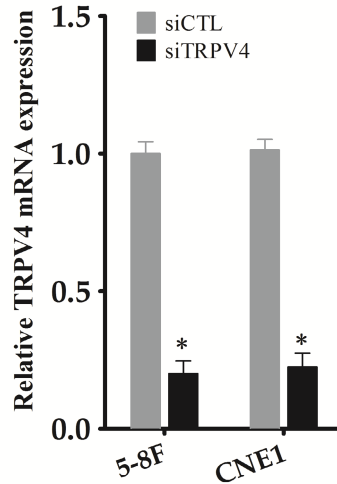


Figure S1. TRPV4 mRNA levels in 5-8F and CNE1 cells transfected with siRNA against TRPV4. Values are means \pm SEM, n=4 *, $p < 0.05$ compared to siCTL.

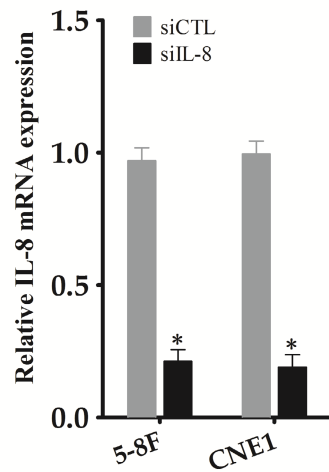


Figure S2. IL-8 mRNA levels in 5-8F and CNE1 cells transfected with siRNA against IL-8. Values are means \pm SEM, n=4 *, $p < 0.05$ compared to siCTL.

Table S1 Primer sequences used for Real-time PCR

| Gene Name | Primer | Sequence |
|-------------------|---------|-------------------------|
| <i>E-cadherin</i> | Forward | GCCTCCTGAAAAGAGAGTGGAAG |
| | Reverse | TGGCAGTGTCTCTCCAAATCCG |
| <i>N-cadherin</i> | Forward | CCTCCAGAGTTTACTGCCATGAC |
| | Reverse | GTAGGATCTCCGCCACTGATTC |
| <i>Vimentin</i> | Forward | AGGCAAAGCAGGAGTCCACTGA |
| | Reverse | ATCTGGCGTTCCAGGGACTCAT |
| <i>TRPV4</i> | Forward | TACGAGAGTGCTCGCATCCTCA |
| | Reverse | TGTCTTCAGGCTACATGAGCCG |
| <i>IL-8</i> | Forward | AGACAGCCACTCACCTCTTCAG |
| | Reverse | TTCTGCCAGTGCCTCTTTGCTG |
| <i>Actin</i> | Forward | CACCATTGGCAATGAGCGGTTC |
| | Reverse | AGGTCTTTGCGGATGTCCACGT |

Table S2 Target sequences used for silencing

| Gene Name | Target sequence |
|----------------|--|
| <i>TRPV4</i> | siRNA:5' - GCCGTCTCCTTCTACATCAACGTGGTCTC -3' |
| <i>IL-8</i> | siRNA:5' - CCGAACTTTAATTCAGGAAT -3' |
| <i>Control</i> | siRNA:5' - GCTTCGCGCCGTAGTCTTATCA -3' |