

# Antioxidative, Antifungal and Additive Activity of the Antimicrobial Peptides Leg1 and Leg2 from Chickpea

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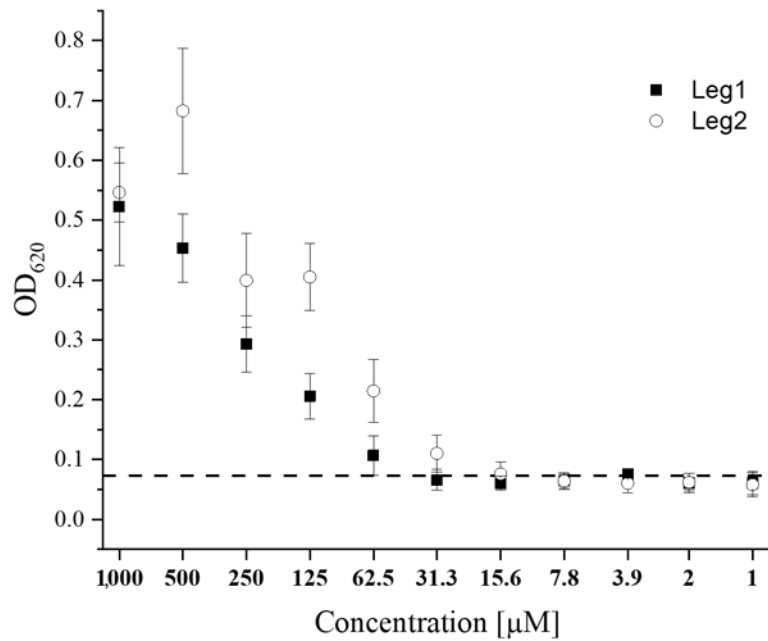
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**Table S1.** Antifungal susceptibility tests of Leg1, Leg2 and nisin against *A. niger* using a microdilution assay. Fungal growth was monitored at  $\Delta OD_{620nm}$  and compared to negative control ( $OD_{620nm} = 2.4$ ;  $n = 3$ ). For comparison, sodium benzoate was tested accordingly ( $n = 3$ ).

Concentration [ $\mu M$ ]	OD <sub>620nm</sub> values										
	1000	500	250	125	62.5	31.3	15.6	7.8	3.9	2.0	1.0
Leg1	2.4	2.3	2.2	2.3	2.3	2.2	2.3	2.2	2.3	2.2	2.1
Leg2	2.3	2.4	2.3	2.0	2.2	2.3	2.2	2.2	2.1	2.2	2.2
Nisin	3.5	3.4	3.5	3.1	2.9	2.4	2.4	2.9	2.4	2.6	2.5
Concentration [ $\mu M$ ]	160,000	80,000	40,000	20,000	10,000	5000	2500	1250	625	312.5	156.3
Sodium benzoate	0.1	0.1	0.1	0.1	1.8	3.1	2.9	2.3	2.2	2.5	2.5

**Table S2.** Antifungal susceptibility tests of Leg1, Leg2 and nisin against *P. membranifaciens* using a microdilution assay. Fungal growth was monitored at  $\Delta OD_{620nm}$  and compared to negative control ( $OD_{620nm} = 2.1$ ;  $n = 3$ ). For comparison, sodium benzoate was tested accordingly ( $n = 3$ ).

Concentration [ $\mu M$ ]	OD <sub>620nm</sub> values										
	1000	500	250	125	62.5	31.3	15.6	7.8	3.9	2.0	1.0
Leg1	1.5	1.5	1.2	2.0	1.7	1.8	1.5	2.1	2.2	2.0	2.1
Leg2	1.4	1.8	1.7	1.9	2.1	2.2	1.7	1.5	1.9	1.6	1.9
Nisin	1.6	1.5	1.3	1.8	2.1	2.1	2.0	1.9	2.2	2.2	2.1
Concentration [ $\mu M$ ]	160,000	80,000	40,000	20,000	10,000	5000	2500	1250	625	312.5	156.3
Sodium benzoate	0.1	0.3	0.4	0.8	1.1	1.8	2.0	2.0	2.1	2.1	2.1



**Figure S1.** Optical density ( $\text{OD}_{620}$ ) values of the blank controls consisting of water, yeast/molds (YM) agar and different concentrations of Leg1 or Leg2 (1–1 000  $\mu\text{M}$ ). The means  $\pm$ SD of triplicates are displayed. Water instead of the antimicrobial peptides was used as negative control (dashed line). The figure shows significant differences compared to the negative control.