LL-37

What is LL-37?

LL-37 is an antimicrobial peptide. It has been shown to have antimicrobial activity against multiple Gram-positive and Gram-negative human pathogens. Antimicrobial peptides (AMPs) have the potential to serve as an alternative to antibiotics. It's simple, AMPs kill the microbial pathogens (the bugs).

AMPs can possibly regulate bacteria/virus invasion and may control infection. It has been reported that AMPs could be used to activate the innate mucosal immune response in order to get rid of the infections. (Mucosal refers to the immune response at mucosal membranes of the intestines, the urogenital tract and the respiratory system, i.e., surfaces that are in contact with the external environment).

Indications:

- Broad spectrum antimicrobial activity against bacteria, enveloped viruses, and fungi
- Helps promote wound healing
- Can help control infection
- Can balance tissue inflammation
- Inhibits biofilm formation

What you need to know:

Several studies show that LL-37 is effective in treating certain cancer cell types. LL-37 inhibits gastric cancer cell proliferation by the activation of bone morphogenetic protein (BMP) signaling. However, overexpression of LL-37 was found to promote development and progression of ovarian, lung and



PATIENT BENEFIT:

IMPROVES HEALING OF WOUNDS