

**Aurein 1.1**  
**Synthetic Peptide**  
**Catalog # SP2244a****Specification**

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**Aurein 1.1 - Product Information**Primary Accession  
Sequence[P82386](#)  
**NH2-GLFDIIKKIAESI-CONH2****Aurein 1.1 - Additional Information****Other Names**

Aurein-11, AUR11

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**Aurein 1.1 - Protein Information****Name** AUR11**Function**

Antimicrobial peptide with activity against *B.cereus*, *L.lactis*, *L.innocua* and *S.uberis* (PubMed:<a href="http://www.uniprot.org/citations/10951191" target="\_blank">10951191</a>). Probably acts by disturbing membrane functions with its amphipathic structure (PubMed:<a href="http://www.uniprot.org/citations/10951191" target="\_blank">10951191</a>). Inhibits the formation of NO by neuronal nitric oxide synthase (nNOS) at micromolar concentrations (PubMed:<a href="http://www.uniprot.org/citations/11784303" target="\_blank">11784303</a>). Acts by a non-competitive mechanism, probably by binding to calcium/calmodulin and as a consequence blocking calmodulin attachment to nNOS (By similarity).

**Cellular Location**

Secreted.

**Tissue Location**

Expressed by the skin dorsal glands.

**Aurein 1.1 - Images**