

**Parasin I****Cat. No.:** RP11233-0.5**Size:** 0.5 mg**Alias:** ParasinI; Parasin 1; Parasin1**Description:**

Parasin I is a potent 19-residue antimicrobial peptide isolated from the skin mucus of wounded catfish (*Parasilurus asotus*). Eighteen of the 19 residues in parasin I are identical to the N-terminus of buforin I, a 39-residue antimicrobial peptide derived from the N-terminus of toad histone H2A. This implies that parasin I is cleaved off of the N-terminus of catfish histone H2A. Parasin I shows strong antimicrobial activity, about 12-100 times as strong as magainin 2, against a wide spectrum of microorganisms, without any hemolytic activity. Furthermore, parasin I shows good antimicrobial activity against fish-specific bacterial pathogens.

**Sequence (one-letter code):**

KGRGKQGGKVRAKAKTRSS

**Sequence (three-letter code):**

{LYS}{GLY}{ARG}{GLY}{LYS}{GLN}{GLY}{GLY}{LYS}{VAL}{ARG}{ALA}{LYS}{ALA}{LYS}{THR}{ARG}{SER}{SER}

**Formula:** C<sub>82</sub>H<sub>154</sub>N<sub>34</sub>O<sub>24</sub>**Molecular Weight:** 2,000.3**Purity:** > 95%**Storage:**

Store at -20°C

**Note:**

\*For Non-Clinical Research Use Only \*

