

**Cecropin B****Cat. No.:** RP11225-0.5

United States Biological.

**Size:** 0.5 mg**Description:**

Cecropins are produced by insects, particularly under conditions of infection. Cecropins are bioactive peptides that interact with membranes and form transmembrane channels that allow the free flow of electrolytes, metabolites, and water across the phospholipid bilayers. Anti-cecropin B is useful for the detection of cecropin B in various immunological assays. Cecropin B has been modified in some instances by substituting a single amino acid to render the molecule less susceptible to proteolytic cleavage.

**Cas No:** 80451-05-4**C-Terminal:** NH<sub>2</sub>**Sequence (one-letter code):**KWKVFKKIEKMGRNIRNGIVKAGPAIAVLGEAKAL-NH<sub>2</sub>**Sequence (three-letter code):**

{LYS}{TRP}{LYS}{VAL}{PHE}{LYS}{LYS}{ILE}{GLU}{LYS}{MET}{GLY}{ARG}{ASN}{ILE}{ARG}{ASN}{GLY}{ILE}{VAL}{LYS}{ALA}{GLY}{PRO}{ALA}{ILE}{ALA}{VAL}{LEU}{GLY}{GLU}{ALA}{LYS}{ALA}{LEU}-NH<sub>2</sub>

**Solubility:** Soluble in water. The contents of this vial have been accurately determined. Both the stopper and the vial have been siliconized. Do not attempt to weigh out a smaller portion of the contents.

**Formula:** C<sub>176</sub>H<sub>302</sub>N<sub>52</sub>O<sub>41</sub>S<sub>1</sub>**Molecular Weight:** 3,834.7**Purity:** > 95%**Storage:**

The peptide may be stored at 4°C for short period. For long-term storage, store at -20°C. Aliquots remain stable for at least 24 months at -20°C.

**Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications without the expressed written authorization of

\*For Non-Clinical Research Use Only \*

