

**Egg Laying Hormone, aplysia****Cat. No.:** RP10583-0.5**Size:** 0.5 mg**Alias:** Aplysia egg laying hormone (ELH)**Description:**

Egg-laying hormone (ELH) is a neuropeptide synthesized by the bag cell neurons, Egg-laying hormone (ELH) induces egg laying and its correlated behavior in *Aplysia californica*. Egg-laying hormone (ELH) has been purified to homogeneity and Egg-laying hormone (ELH)'s primary structure has been determined. Egg-laying hormone (ELH) have 36 amino acid residues with a  $M_r$  of 4385 and a calculated isoelectric point of 9.7. Egg Laying Hormone of *Aplysia* induces a voltage-dependent slow inward current carried by  $Na^+$  in an identified motoneuron.

**C-Terminal:**  $NH_2$ **Sequence (one-letter code):**ISINQDLKAITDMLLTEQIRERQRYLADLRQRLLLEK-NH<sub>2</sub>**Sequence (three-letter code):**

{ILE}{SER}{ILE}{ASN}{GLN}{ASP}{LEU}{LYS}{ALA}{ILE}{THR}  
{ASP}{MET}{LEU}{LEU}{THR}{GLU}{GLN}{ILE}{ARG}{GLU}{A  
RG}{GLN}{ARG}{TYR}{LEU}{ALA}{ASP}{LEU}{ARG}{GLN}{AR  
G}{LEU}{LEU}{GLU}{LYS}-NH<sub>2</sub>

**Formula:** C<sub>190</sub>H<sub>329</sub>N<sub>59</sub>O<sub>57</sub>S<sub>1</sub>**Molecular Weight:** 4,384.2**Purity:** > 95%**Storage:**

Store at -20°C. Keep tightly closed. Store in a cool dry place.

**Note:**

\*For Non-Clinical Research Use Only \*

