

DATASHEET

Version: 2016-08-18

Calcitonin (8-32), salmon**Cat. No.:** RP13606**Size:** 0.2 mg**Description:**

Calcitonin is a hormone known to participate in calcium and phosphorus metabolism. In mammals, the major source of calcitonin is from the parafollicular or C cells in the thyroid gland. Calcitonin is a 32 amino acid peptide cleaved from a larger prohormone. It contains a single disulfide bond, which causes the amino terminus to assume the shape of a ring. Alternative splicing of the calcitonin pre-mRNA can yield a mRNA encoding calcitonin gene-related peptide; that peptide appears to function in the nervous and vascular systems.

C-Terminal: NH₂**Sequence (one-letter code):**VLGKLSQELHKLQTYPRNTGSGTP-NH₂**Sequence (three-letter code):**

{VAL}{LEU}{GLY}{LYS}{LEU}{SER}{GLN}{GLU}{LEU}{HIS}{LYS}{LEU}{GLN}{THR}{TYR}{PRO}{ARG}{THR}{ASN}{THR}{GLY}{SER}{GLY}{THR}{PRO}-NH₂

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 weight out a smaller portion of the contents.

Formula: C₁₁₉H₁₉₈N₃₆O₃₇**Molecular Weight:** 2,725.08**Purity:** > 95%**Storage:**

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

Note: Amylin receptor antagonist.

*For Non-Clinical Research Use Only *

