

Salmon Calcitonin Acetate - Purified

Catalog No.: AR10438PU-N

Quantity: 5 mg

Background: Calcitonin (CT) is a peptide hormone produced by the parafollicular cells of the thyroid gland in mammals and by the ultimobranchial gland of birds and fish. Salmon calcitonin (sCT), which is more potent and longer lasting than human CT, has been used widely for the treatment of osteoporosis, paget's disease, hypercalcemic shock and chronic pain in terminal cancer patients. sCT is one of the many bioactive peptides that require C-terminal amidation for full Biological activity.

Uniprot ID: [P01265](#)

NCBI: [8019](#)

Species: Salmon

Source: Synthetic

Format: **State:** Sterile Filtered White lyophilized (freeze-dried) powder without additives
Purity: >8.0% as determined by both RP-HPLC and SDS-PAGE analysis
Reconstitution: Restore in sterile 18MΩ·cm⁻¹ H₂O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Description: Calcitonin Acetate (Salmon) is a Synthetic polypeptide of 32 amino acids in the same linear sequence that is found in clacitonin of salmon origin.

Molecular Formula: of C₁₄₅H₂₄₀N₄₄O₄₈S₂

Molecular Weight: 3431.9 Dalton

AA Sequence:

Â Cys-Ser-Asn-Leu-Ser-Thr-Cys-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-
Leu-G

ln-Thr-Tyr-

Pro-Arg-Thr-Asn-Thr-Gly-Ser-Gly-Thr-Pro-NH₂

Storage: Prior to reconstitution store at 2-8°C for one month or desiccated below -18°C.
Following reconstitution store undiluted at 2-8°C for one month
or (in aliquots) at -20°C for longer.
For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).
Avoid repeated freezing and thawing.
Shelf life: one year from despatch.