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Calcitonin Salmon

Calcitonin Acetate Salmon
HRM0009

Product Overview

Name	Calcitonin Salmon
Description	
Calcitonin Acetate Salmon	
Accession (Primary)	P01265
Synonyms	
CT, KC, CGRP, CALC1, CGRP1, CGRP-I, MGC126648, katacalcin, Calcitonin gene-related peptide 1 precursor, Calcitonin gene-related peptide I.	
Introduction	
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.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The calcitonin peptide was lyophilized with no additives.	
Stability	
Lyophilized Calcitonin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution CGRP should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.	
Purity	
Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid sequence	
Calcitonin Acetate (Salmon) has an amino acid sequence of: Cys-Ser-Asn-Leu-Ser-Thr-Cys-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-NH 2 .	
Solubility	
It is recommended to reconstitute the lyophilized Calcitonin in sterile 18MΩ-cm H2O not less than 100 µg/ml, which	

can then be further diluted to other aqueous solutions.

Precautions

Calcitonin Salmon is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01265)