

Elcatonin

Item Number	rAP-2581
Synonyms	
Description	Elcatonin Synthetic is a single, non-glycosylated polypeptide chain containing 31 amino acids, having a molecular mass of 3363.2 Dalton and a Molecular formula of C ₁₄₈ H ₂₄₄ N ₄₂ O ₄₇ .
Uniprot Accession Number	
Amino Acid Sequence	Ser-Asn-Leu-Ser-Thr-Asu-Val-Leu-Gly-Lys-Leu-Ser-Gln-Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn-Val-Gly-Ala-Gly-Thr-Pro-NH ₂ .
Source	
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Elcatonin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Elcatonin 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.
Formulation and Purity	The protein was lyophilized with no additives. Greater than 93.3% as determined by:(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized Elcatonin in sterile 18MΩ-cm H ₂ O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Biological Activity (based on net peptide) was found to be 6695.2 IU/mg.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**