

Product datasheet

Active Elcatonin peptide ab123761

Overview

Product name Active Elcatonin peptide

Description

Nature Synthetic

Amino Acid Sequence
Sequence

Ser-Asn-Leu-Ser-Thr-Asu-Val-Leu-Gly-Lys-Leu-Ser-Gl n-
Glu-Leu-His-Lys-Leu-Gln-Thr-Tyr-Pro-Arg-Thr-Asn- Val-
Gly-Ala-Gly-Thr-Pro-NH2

Molecular weight 3 kDa

Specifications

Our [Abpromise guarantee](#) covers the use of **ab123761** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Biological activity Biological Activity (based on net peptide) was found to be 6065 IU/mg.

Applications HPLC
SDS-PAGE

Purity > 90 % SDS-PAGE.
Purity is greater than 94% as determined by HPLC and SDS-PAGE.

Form Lyophilised

Preparation and Storage

Stability and Storage Shipped at 4°C. Store at -20°C.
This product is an active protein and may elicit a biological response in vivo, handle with caution.

Reconstitution Centrifuge the vial prior to opening. Reconstitute in sterile distilled Water to a concentration of 100 µg/ml. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 2-7 days and at -20 °C for future use.

General Info

Relevance

Elcatonin is a Calcitonin derivative which is transformed from eel's calcitonin by changing the S-S bond into the stable C-N bond. It inhibits the absorption and autolysis of bones, thus leads to blood calcium descending. In addition, it inhibits the bone salts dissolving and transferring and promotes the excretion of calcium and phosphorus in urine. Meanwhile, it inhibits renal tubules reabsorbing calcium, phosphorus and sodium and keeps blood calcium at normal level. It is mainly used for remitting or eliminating the pain caused by Osteoporosis.

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